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# Index–Catalogue of Medical and Veterinary Zoology

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## Supplement 24, Part 6

## Parasite-Subject Catalogue
## Subject Headings: A to I

COMMONWEALTH INSTITUTE OF PARASITOLOGY
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# Index-Catalogue of Medical and Veterinary Zoology

## Supplement 24, Part 6

## Parasite-Subject Catalogue Subject Headings: A to I

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The rare Arabian Oryx is believed to have inspired the myth of the unicorn. This desert antelope became virtually extinct in the early 1960s. At that time several groups of international conservationists arranged to have 9 animals sent to the Phoenix Zoo to be the nucleus of a captive breeding herd. Today the Oryx population is nearing 300 and herds have been returned to reserves in Israel, Jordan, and Oman.

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# PREFACE

The Index-Catalogue of Medical and Veterinary Zoology is an index to the world's literature on animal parasites of animals, including man. It has been maintained in cumulative files since 1892. Only the Author Catalogue has been published in its entirety. A revision of the Author Catalogue of the Index-Catalogue of Medical and Veterinary Zoology, consisting of Parts 1 to 18, was published during the period 1932–52. Beginning in 1953, a series of supplements designed to publish the backlog was initiated. This was completed with Supplement 6, published in 1956. From 1956 to 1964, supplements covering authors A to Z were issued on annual basis.

Beginning with Supplement 15, the Parasite-Subject Catalogues, containing indices to the author references, have been issued. The Author Catalogues of Supplements 15–21 continued the format of previous supplements. Users should note that for each reference in the Author Catalogues of these supplements the author(s) plus the date and letter (e.g., Smith, J.; and Doe, L., 1978 b) are the key to all items in the Parasite-Subject Catalogues derived from that reference. In other words, when using the Parasite-Subject Catalogues of Supplements 15–21, it is necessary to consult the Author Catalogue of the corresponding supplement for complete bibliographic information.

Commencing with Supplement 22, basic bibliographic information is included with each entry in Parts 2–7. It should be emphasized, however, that it will still be useful to consult the Author Catalogue for a variety of other information that may be found there: Title of the reference, translated title, language of text and summaries, published corrections, related references by the same author, and other miscellaneous information.

Each supplement consists of the following parts:

| | |
|---|---|
| Part 1, | Authors: A-Z |
| Part 2, | Parasite-Subject Catalogue: Parasites: Protozoa |
| Part 3, | Parasite-Subject Catalogue: Parasites: Trematoda and Cestoda |
| Part 4, | Parasite-Subject Catalogue: Parasites: Nematoda and Acanthocephala |
| Part 5, | Parasite-Subject Catalogue: Parasites: Arthropoda and Miscellaneous Phyla |
| Part 6, | Parasite-Subject Catalogue: Subject Headings and Treatment |
| Part 7, | Parasite-Subject Catalogue: Hosts |

Users should bear in mind that this is an Index-Catalogue, not a treatise, and should not expect to find reasons for any given entry. Nor does citing of synonymy mean that it is necessarily correct. The same statement holds for hosts, locations, localities, authorship of taxa, designation of new taxa, etc. These items are cited as given by the author(s) of the publication being indexed.

The information included in any given supplement represents only the publications that have been indexed in that supplement; and therefore, exclusion of, or limited entries for, any given author or parasite has no significance. No pretension is made for completeness, and assistance in correcting errors or obtaining additional information is appreciated. Reprints of papers on parasitology are requested.

This edition of the index catalogue is compiled, as usual, by the Animal Parasitology Institute, Agriculture Research Service, U.S Department of Agriculture, but is published in hard copy by The Oryx Press.

*Shirley J. Edwards, Editor*

# EXPLANATORY NOTE

## Author Catalogue

The Author Catalogue (Part 1 of each supplement) contains full bibliographic information for each publication indexed during the compilation of that supplement. A symbol for the library from which the original publication may be obtained is given at the end of each entry; e.g., Wa = National Agricultural Library, Beltsville, Maryland; Wm = National Library of Medicine, Bethesda, Maryland; Wc = Library of Congress, Washington, D.C.; etc. A key to these library symbols may be found in Supplements 10 and 20. A list of serial abbreviations new to our files is published at the beginning of each Author Catalogue.

## Parasite Catalogues

The Parasite Catalogues (Parts 2–5 of each supplement) are divided by parasite phyla (Protozoa, Trematoda, etc.). They are arranged alphabetically by genera, parasitic diseases, and higher taxa and then alphabetically by species within genera. Entries under each heading are in turn arranged alphabetically by authors and then chronologically for each author. Each entry consists of the name of the parasite or parasitic disease, the author(s) of the publication, date, abbreviated title of the publication, volume, number, inclusive pages, library symbol, and a subheading. Illustrations of parasites are indicated by the word illus. following the name of the parasite.

Entry term → Fasciola hepatica, illus.
Bibliographic information → Smith J.; Doe L
1978 J Parasitol 64 (1) Feb 30–38 Wa
Subheading → Fasciola hepatica, white mice, successful vaccination with culture incubate antigens and antigens from sonic disruption of immature worms

A variety of information is found indented beneath the bibliographic information of each entry: Classification, hosts, synonymy, keys, treatment, etc. Subheadings are guides to the subject matter of the publication.

1. **Classification:** In entries based on systematic articles, the subheading may give the higher taxa in which the taxon has been placed or it may list the lower taxa included in a higher taxon.

2. **Hosts:** The only hosts recorded are those that pertain directly to the author's own work. Scientific host names are used unless the author gives only common names, in which case the host names are given exactly as in the original publication.

   However, when host common names are in Cyrillic alphabet languages, host Latin names are assigned and listed instead of the common names; these are in square brackets [ ].

   Locations of parasites in or on hosts are given in parentheses ( ). Where a host-parasite relationship is well known, a host may be given under a parasite name and not in the Host Catalogue; this applies particularly to parasites of medical and veterinary importance and of worldwide distribution. A + before the host name on the parasite entry means that no host entry was made for this particular reference.

3. **Synonymy:** Usually only those synonyms which the author indicates as new, or which are new to the files of the Index-Catalogue of Medical and Veterinary Zoology, are given.

4. **Keys:** The subheading "key" indicates that the name is included in a taxonomic key.

5. **Treatment:** When there are several antiparasitic agents mentioned in a publication, a general term is used in the subheading, e.g., anthelmintics, insecticides, protozoacides. However, in the Treatment Catalogue, all agents tested by the investigator(s) are listed.

6. **Geographic Distribution:** When there are multiple hosts and geographic localities, the appropriate locality is recorded after each host name; when the hosts of a parasite are all from one locality, they are recorded as "all from" this locality.

7. **Other Subject Matter:** Phrases indicate other subject matter discussed (e.g., immunity, metabolism, morphology, etc.).

## Subject Headings Catalogue

The Subject Headings Catalogue (the first section of Part 6 of each supplement) is an alphabetic arrangement of entry terms from a list of subject headings. Each entry consists of the subject heading, bibliographic information, and a subheading reflecting the information contained in the paper. Subject headings with numerous entries are separated into alphabetized subdivisions, e.g.:

Immunity
Immunity, Agglutination
Immunity, Allergy

## Treatment Catalogue

In the Treatment Catalogue (a section of Part 6 of each supplement), all entries referring to one antiparasitic agent are grouped under one heading (regardless of the name used by the investigator) and are then listed alphabetically by author. Other names for the same agent are cross-referenced to the name used for filing. When generic and chemical names are available, preference is given to those names as headings rather than to trade names or code numbers and letters. Code number designations for compounds are entered in the Number Index in numerical order and cross-referenced to the name under which they are listed in the alphabetical section. Salts of a compound are usually grouped together; e.g., piperazine adiphate, piperazine citrate, etc., are all listed under Piperazine. Sometimes verifying synonymy of drug names is impossible; consequently, groupings and cross-references are not always authenticated although as many as possible have been checked with reliable sources. In some instances, the cross-references are based entirely on information in papers indexed and verification was not possible. Foreign language terminology has been anglicized where feasible. Chemosterilants, Molluscicides, and Repellents are entered under these three collective headings and not under the individual chemical. The format is the same as the parasite entries: Entry term (in this case, drug name), bibliographic information, and subheading.

## Host Catalogue

The Host Catalogue (Part 7 of each supplement) is arranged alphabetically by genera, common names, and higher taxa and then alphabetically by species within genera. Nominate subspecies are interfiled with the species. Entries under each heading are in turn arranged alphabetically by author(s) and then chronologically for each author. The format is the same as in the other Catalogues, i.e., entry term (in this case, host name), bibliographic information, and subheading. Indented beneath the bibliographic information of each host entry are all the parasites of a particular phylum that were reported from this host in the paper in question. Body locations of these parasites will be found in parentheses ( ) either in the subheading or with the host name. Animals identified as hosts only on the basis of serological evidence are not included in the Host Catalogue. Experimental infection is reported as such. When there are multiple parasites and geographic localities, the appropriate locality is recorded after each parasite name; when the parasites from this host are all from one locality, they are recorded as "all from" this locality. When authors use only common names of hosts, scientific names are cautiously supplied from authoritative sources after careful consideration. Cross-references from the common name used by the author to the scientific name supplied by the Index-Catalogue are filed among the host entries. Such supplied names are given in square brackets [ ]. Scientific names are supplied based on particular articles and cross-references are made based on particular names supplied and are not to be construed as having any absolute significance, but are for convenience of location only. For example, a cross-reference Ass *See* [Equus asinus] does not mean that we are not aware that there are other species of asses, but merely that it is clear to us that Equus asinus was the name to supply for the host in the article at hand. If a scientific name cannot be supplied, English common names are used.

Scientific names or English common names are always supplied for common names in Cyrillic alphabet languages, and no cross-references are made. Surveys of parasites of humans and domestic animals are usually indexed under geographic headings and entered in Part 6, Subject Headings, in addition to appearing in the Host Catalogue. In this case, entries are not made in the Parasite Catalogues.

Visitors are welcome to come to the Animal Parasitology Institute to use the cumulative files. Arrangements should be made in advance for lengthy visits. Requests for back issues of the Index-Catalogue and other correspondence should be addressed to:

Index-Catalogue of Medical and
Veterinary Zoology
Animal Parasitology Institute
USDA, ARS, BARC-East,
Building 1180
Beltsville, Maryland 20705 U.S.A.

It is hoped that these Catalogues will serve as a useful tool to workers in the field of parasitology.

The compilers thank the staffs of the National Agricultural Library, the National Library of Medicine, and all other libraries that have aided us invaluably by making publications available to us.

Abnormalities See Anomalies

Abortion
Amici C et al
1979 Ann Sclavo 21 (3) May-June 264-271 Wm
Toxoplasma, retrospective seroimmunological survey of 3,455 women, role of antibody occurrence in raw meat eaters was statistically verified, Toxoplasma infection may prove to be significant etiological factor for abortion

Abortion
Baetz AL et al
1980 Am J Vet Research 41 (11) Nov 1767-1768 Wa
pregnant cows exposed to Sarcocystis cruzi, Campylobacter fetus, or Aspergillus fumigatus, changes in plasma progesterone concentrations in bovine plasma cannot be used as diagnostic tool for fetal distress or fetal death

Abortion
Deragna S et al
1980 Minerva Ginec 32 (1-2) Jan-Feb 43-47 Wm
Toxoplasma gondii, pregnant woman with latent infection, probable cause of previous abortions and fetal death, case report, diagnostic considerations: Italy

Abortion
Dubey JP
1981 J Am Vet Med Ass 178 (7) Apr 1 661-670 Wa
Toxoplasma gondii in dairy goats, association with abortion, epidemiologic investigation, isolation from does, placentas, fetuses, kids, cats, and chickens: Montana

Abortion
Dubey JP
1981 J Am Vet Med Ass 178 (7) Apr 1 671-674 Wa
Toxoplasma gondii, dairy goats, abortion, transplacental toxoplasmosis in kids, relationship to dose and duration of infection in dams, distribution of organisms in tissues of fetuses or kids in relation to duration of infection of dams

Abortion
Dubey JP
1981 J Am Vet Med Ass 178 (7) Apr 1 700-703 Wa
Sarcocystis capracanis-like organism, abortion and death in goats inoculated with sporocysts from coyote feces

Abortion
Dubey JP et al
1980 Am J Vet Research 41 (7) July 1072-1076 Wa
Toxoplasma gondii, goats (exper.), abortion, clinical signs, and distribution in host tissues

Abortion
Dubey JP; Schmitz JA
1981 J Am Vet Med Ass 178 (7) Apr 1 675-678 Wa
Toxoplasma gondii, associated with abortion in sheep: Oregon

Abortion
Dubey JP; Sundberg JP; Matiuck SW
1981 Am J Vet Research 42 (9) Sept 1624-1626 Wa
Toxoplasma gondii diagnosed in aborted caprine fetus and in placenta, doe had high antibody titer 2 days after abortion, serologic survey on farm showed antibodies in people and in other animals (including other goats and a sheep that had aborted): Connecticut

Abortion
Megafu U; Ugwuegbulam I
1981 Internat J Fertility 26 (2) 132-134 Wa
Toxoplasma gondii, incidence of positive indirect hemagglutination test in Ibo women with recurrent abortions, comparison of high and low socioeconomic groups: Nigeria

Abortion
Migliorini A; Ragazzini G
1981 Minerva Ginec 33 (4) Apr 321-324 Wm
toxoplasmosis, pregnant women, clinico-statistical study, correlations between infections and spontaneous abortions, general clinical and diagnostic review: Italy

Abortion
Munday BL
1981 Vet Parasitol 9 (1) Oct 17-26 Wa
Sarcocystis ovicanis, ewes (exper.), premature parturition, pathological findings; previous infection with S. gigantia did not protect from subsequent challenge with S. ovicanis

Abortion
Nobel TA et al
1981 Vet Parasitol 8 (4) Sept 271-276 Wa
Besnoitia besnoiti, cysts (with or without surrounding granulomatous reaction) were present in genital organs of 6 of 16 infected cows, role of these organisms in abortion and infertility seems to be minor if any: Israel

Abortion
Pakan J et al
1980 Bratisl Lekar Listy 73 (5) May 580-585 Wm
toxoplasmosis, diagnostic importance of seroimmunological testing of pregnant women in order to reduce prenatal infections and abortions: Bratislava

Abortion
Pareek PK
1979 Indian Vet J 56 (12) Dec 995-996 Wa
Trichomonas foetus, Tharparkar cow, presence in vaginal discharge and foetal placenta post-abortion: Bikaner, Rajasthan

Abortion
Plant JW; Glastonbury JRW; Saunders EJ
1980 Austral Vet J 56 (5) May 254 Wa
Toxoplasma, goats, cause of perinatal death: New South Wales

Abortion
Stalheim OHV et al
1980 Am J Vet Research 41 (1) Jan 10-13 Wa
Toxoplasma gondii, virulence of 3 cat-derived strains for calves; exposure of pregnant cows and calves to tachyzoites, clinical response and role in bovine abortion, slight and non-specific gross and microscopic changes

Abortion
Toldy M et al
1979 Bratisl Lekar Listy 72 (4) Oct 448-452 Wm
Trichomonas vaginalis, pregnant women, incidence survey, trichomonal colpitis, high infection rate with threatened abortions and premature deliveries: Martin

Abortion
van Zon AAJC; Eling WMC
1980 Infect and Immun 28 (2) May 630-632 Wa
Plasmodium berghei, mice, depressed malarial immunity during pregnancy, malaria-associated prematurity and abortion

Abscess
Askerkhanov RP
1980 Klin Khirurg (11) Nov 27-30 Wm
echinococcosis, amoebiasis, human hepatic abscesses, analysis of 346 cases, indications for surgery, surgical approach, and management of abscesses

Abscess
Ford J et al
1981 Chest 79 (2) Feb 239-240 Wm
Strongyloides stercoralis, asthmatic Chinese man, associated lung abscess occurred 3 years after patient migrated from Burma to Australia

Abscess
Kaufman DM; Kaplan JG; Litman N
1980 Neurology 30 (8) Aug 844-850 Wm
spinal epidural abscesses, causes, includes Echinococcus granulosus, case report

Abscess
Latrive JP et al
1980 Semaine Hop Paris 56 (11-12) Mar 18-25 567-569 Wm
Linguatula serrata, man, encysted, calcified parasite within liver abscess, radiological and histological aspects: France, Dominican native

Abscess
Ongom VL
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 417 Wa
Fasciola gigantica, human, episternal abscess: Uganda

Abscess
Trejo-Padilla E et al
1977 Arch Venez Puericult y Pediat 40 (2) July-Sept 265-288 Wm
Ascaris lumbricoides, children, hepatic abscesses, clinical aspects, treatment, 14 cases: Caracas

Abscess, Amebic
Abul-Khair MH et al
1981 Ann Surg 193 (2) Feb 221-226 Wm
Entamoeba histolytica, patients with suspected hepatic abscesses, evaluation of ultrasonography for diagnosis, for pinpointing site for therapeutic aspiration of abscess, and for follow-up assessment of therapy, results compared with those of standard diagnostic tests: Egypt

Abscess, Amebic
Agrawal BV et al
1975 Am Surg 41 (6) June 373-377 Wm
Entamoeba histolytica, humans, 2 case reports, amebic pericardial effusion as complication of amebic hepatic abscesses, clinical aspects

Abscess, Amebic
Aikat BK et al
1978 Indian J Med Research 67 Mar 381-391 Wa
Entamoeba histolytica, human hepatic abscesses, 79 autopsy cases, host age and sex, clinicopathological manifestations

Abscess, Amebic
Askerkhanov RP
1980 Klin Khirurg (11) Nov 27-30 Wm
echinococcosis, amoebiasis, human hepatic abscesses, analysis of 346 cases, indications for surgery, surgical approach, and management of abscesses

Abscess, Amebic
Balasegaram M
1981 Current Problems Surg 18 (5) May 282-340 Wm
Entamoeba histolytica, human hepatic abscess, extensive clinical review (etiology, pathology, clinical manifestations, diagnostic aids, complications, abscess localizations, surgical therapy, prognosis)

Abscess, Amebic
Becker GL jr et al
1980 Neurosurgery 6 (2) Feb 192-194 Wm
Entamoeba histolytica, causing brain abscesses, case reviews, pathology, diagnosis, clinical management: New Jersey

Abscess, Amebic
Benoit M; Salembier Y; Dei-Cas E
1980 Lille Med 25 (1-2) Jan-Feb 43-44 Wm
Entamoeba histolytica, man, hepatic amebic abscess diagnosed by pathological examination of surgically removed specimen, diagnosis prior to surgery had been inconclusive: France, had resided in Senegal

Abscess, Amebic
Bosman A; Lessing AJ
1981 South African Med J 59 (11) Mar 14 389-390 Wm
amoebiasis, human, heart tamponade due to hepatic abscess rupture, case report, suggestions for anesthetic technique used during surgical repair

Abscess, Amebic
Bourgeade A et al
1979 Bull Soc Path Exot 72 (3) May-June 216-222 Wa
amoebiasis, man, case report, necrotic infection with peritonitis secondary to rupture of hepatic abscesses, clinical management, fatal illness

Abscess, Amebic
Bourgeon R; Isman H; Courchia G
1980 Chirurgie Paris 106 (1) Jan 37-39 Wm
amoebiasis, humans with hepatic abscesses, conditions requiring surgical intervention: France

Abscess, Amebic
Calleja Bello M; Colin Abarranco M
1979 Prensa Med Mexicana 44 (5-6) May-June 112-114 Wm
Entamoeba histolytica, humans with hepatic amebic abscesses, therapy with intravenous metronidazole administered singly or with intramuscular emetine

Abscess, Amebic
Chaves FJZC et al
1977 Am J Gastroenterol 68 (2) Aug 134-139 Wm
E[ntamoeba] histolytica, assessment of clinical and pathological findings in 56 patients with hepatic abscesses, male black patients 20-39 years old were most frequently affected: Luanda University Hospital, Angola

Abscess, Amebic
Chaves FJZC et al
1977 Am J Gastroenterol 68 (3) Sept 273-277 Wm
E[ntamoeba] histolytica, laboratory and chest X-ray findings in 56 human cases with hepatic abscesses, diagnostic significance especially in endemic areas where more sophisticated facilities are not available: Luanda

**Abscess, Amebic**
**Chigot JP et al**
**1981 Med & Chir Digest 10 (1) 61-64 Wm**
**hepatic amoebic abscesses, humans, multiple case reviews, diagnostic and therapeutic problems: France**

Abscess, Amebic
Choudat D et al
1979 Nouv Presse Med 8 (8) Feb 17 610-611 Wm
chronic amebic liver abscess, man, case report

Abscess, Amebic
Clot JP et al
1980 Nouv Presse Med 9 (37) Oct 11 2731-2732 Wm
human hepatic amoebic abscess, right anterolateral thoracotomy with exclusion of pleura recommended as surgical measure

Abscess, Amebic
Coelle H et al
1980 Leber Magen Darm 10 (2) Apr 111-114 Wm
amoebiasis, patients, ultrasonic diagnosis and control of hepatic abscesses, case reviews

Abscess, Amebic
Costero C; Garcia-Garcia P; Askins-Carreon C
1980 Rev Gastroenterol Mexico 45 (3) July-Sept 149-165 Wm
Entamoeba histolytica, humans, 30 years of necropsy records analyzed: infection prevalence, localizations, infection intensity, acute vs. chronic abscesses, association with cirrhosis, classification of intestinal lesions: Escuela de Medicina y Hospital Central de San Luis de Potosi, Mexico

Abscess, Amebic
Cruz I; Borges A; Mota JCB
1979 Acta Med Portug 1 (1) Jan-Feb 79-87 Wm
Entamoeba histolytica, man, hepatic abscess, differential diagnosis, clinical management, diagnosis confirmed and therapy followed using X-ray computed tomography and ultrasonography: Portugal

Abscess, Amebic
Datta DV et al
1978 Indian J Med Research 68 Sept 485-488 Wa
amoebic hepatic abscess, humans with and without jaundice, no significant alterations of bilirubin UDP-glucuronyl transferase

**Abscess, Amebic**
**Dewbury KC et al**
**1980 Brit J Radiol (636) 53 Dec 1160-1165 Wa**
**ultrasound in the diagnosis of early liver abscesses, humans, includes Entamoeba histolytica as causative organism**

Abscess, Amebic
Dick W
1980 Monatschr Kinderh 128 (5) May 330-331 Wm
Entamoeba histolytica, child, case report, hepatic abscess, clinical management: Germany

Abscess, Amebic
Eggleston FC; Verghese M; Handa AK
1978 Arch Surg Chicago 113 (12) Dec 1472 Wm
amoebiasis causing massive gastrointestinal bleeding from proved amebic ulcers in the cecum and from hepatic abscess, man, case report

Abscess, Amebic
Falaiye JM; Okeke GCE; Fregene AO
1980 Gut 21 (2) Feb 161-163 Wm
Entamoeba histolytica, man, amoebic liver abscess with concurrent liver cirrhosis, case report, clinical aspects: Nigeria

Abscess, Amebic
Gall SA; Edmisten C; Vernon RP jr
1980 South Med J 73 (9) Sept 1274-1275 Wm
amoebiasis, man, case report, intravenous metronidazole as therapy for ruptured hepatic abscess

Abscess, Amebic
Ganguly NK et al
1980 Indian J Med Research 71 Feb 213-216 Wa
Entamoeba histolytica, humans with hepatic abscesses, presence of amoebic antigen demonstrated by counter immunoelectrophoresis, possible role in formation of immune complexes

Abscess, Amebic
Ghadirian E; Meerovitch E
1981 Infect and Immun 31 (2) Feb 571-573 Wa
Entamoeba histolytica, hamsters, effect of splenectomy on size of liver abscesses and metastatic foci

Abscess, Amebic
Ghadirian E; Meerovitch E; Hartmann DP
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 779-784 Wa
Entamoeba histolytica, hamsters, protection against amebic liver abscess by immunization with amebic antigen and some of its fractions, splenomegaly found to accompany development of abscesses (high degree of correlation between weights of abscesses and of spleens), no correlation between anti-amebic antibody titers and gross pathology

Abscess, Amebic
Goldsmith RS
1980 West J Med San Francisco 132 (4) Apr 333-339 Wa
amebic liver abscess and intestinal infection, human, clinical syndromes, diagnosis, treatment, review

Abscess, Amebic
Greenstein AJ; Greenstein RJ; Sachar DB
1980 Am J Surg 139 (3) Mar 456-458 Wm
amoebiasis, human hepatic abscess, toxic dilatation, treated with metronidazole and surgery without colectomy, case report

Abscess, Amebic
Grell GAC; Watty EI
1978 West Indian Med J 27 (1) Mar 40-48 Wm
Entamoeba histolytica, human amoebic hepatic abscesses, case reviews, clinical and pathological features, epidemiology of disease in Caribbean

Abscess, Amebic
Habibullah CM et al
1980 J Ass Physicians India 28 (7) July 177-179 Wm
Study of alpha-1-antitrypsin activity in liver diseases, elevated levels in patients with amoebic liver abscesses, useful in differential diagnosis

Abscess, Amebic
Hayes JG
1980 Austral and N Zealand J Surg 50 (5) Oct 538-540 Wm
Amoebic liver abscess: Clinical presentation and diagnosis

Abscess, Amebic
Hobbs KEF
1979 Brit J Hosp Med 22 (5) Nov 456-467 Wm
hepatic surgery, humans, diagnostic and surgical procedures, postoperative management, includes information on amoebiasis, Echinococcus granulosus, and E. multilocularis

Abscess, Amebic
Ibarra-Perez C
1981 Chest 79 (6) June 672-677 Wm
hepatic amebic abscess, humans, thoracic complications, presenting symptoms and clinical management of 501 cases reviewed

Abscess, Amebic
Im KI; Kim Y
1976 Yonsei Rep Trop Med 7 (1) Nov 61-67 Wm
Entamoeba histolytica, development of hepatic abscess studied in golden hamster and rats

Abscess, Amebic
Irazusta Goena M et al
1980 Rev Espan Enferm Apar Digest 57 (6) June 683-690 Wm
Entamoeba histolytica, human hepatic abscesses, case reports, diagnosis by various radiographic methods, clinical aspects, therapy: Espana

Abscess, Amebic
Jaroonvesama N et al
1978 Asian J Infect Dis 2 (4) Dec 265-269 Wm
E[ntamoeba] histolytica, patients with hepatic abscesses, ornidazole given as 1-day therapy in low dosages, efficacy, side-effects: Thailand

Abscess, Amebic
Knoblock J; Funke M; Bienzle U
1980 Tropenmed u Parasitol 31 (4) Dec 414-416 Wa
Entamoeba histolytica, human, autochthonous liver abscess, case report, immunological confirmation using enzyme-linked immunosorbent assay: Hamburg, West Germany

Abscess, Amebic
Koshy A et al
1979 Am J Surg 138 (3) Sept 453-455 Wm
Entamoeba histolytica, woman, case report, hepatic abscess complicated by hemobilia: India

Abscess, Amebic
Lamki LM; Lamki N
1981 Clin Nuclear Med 6 (2) Feb 81-84 Wm
radionuclide imaging used to differentiate splenomegaly from pseudosplenomegaly associated with human hydatid hepatic cysts and with amebic hepatic abscess, case reports, clinical aspects

Abscess, Amebic
Landay MJ et al
1980 Am J Roentgenol 135 (3) Sept 449-454 Wa
Entamoeba histolytica, human hepatic abscess with thoracic involvement, sonographic and radiographic findings pre- and post-therapy

Abscess, Amebic
Levy JM et al
1978 Am J Gastroenterol 70 (3) Sept 298-301 Wm
amebic liver abscess, African university student, computer tomography-guided percutaneous surgical drainage of abscess, case report: Arizona

Abscess, Amebic
McDougall IR
1981 Clin Nuclear Med 6 (2) 67-69 Wm
hepatic amoebic abscess, man, case report, diagnosis using In-111-leukocyte scan

Abscess, Amebic
Mahajan RC; Ganguly NK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 300-302 Wa
Entamoeba histolytica, human, liver abscess, immunodiagnosis and prognosis, detection of amebic antigen in liver pus/biopsy specimens and serum by counter-immunoelectrophoresis, correlation between amebic antigen positivity and indirect haemagglutination seropositivity, possible role of amebic antigen in immune complex formation and pathogenesis

Abscess, Amebic
Markwalder K
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 308-309 Wa
Entamoeba histolytica, human, abscess of left lung with pleural involvement, successful conservative treatment with metronidazole and dehydroemetine, case report: Chad

Abscess, Amebic
Molinie C et al
1980 Ann Med Int Paris 131 (6) 343-345 Wm
Entamoeba histolytica, humans, 2 case reports, delayed relapses of hepatic amebic abscesses initially cured by metronidazole

Abscess, Amebic
Morse HG; Rate R
1980 West J Med San Francisco 132 (5) May 461-462 Wa
amebic liver abscess and its consideration in differential diagnosis of right-sided pleural effusion, 43-year-old man, case report: Keams Canyon, Arizona

Abscess, Amebic
Nigam P et al
1981 J Ass Physicians India 29 (2) Feb 143-151 Wm
E[ntamoeba] histolytica, human hepato-pulmonary infections with abscess, clinical features of 43 cases, therapeutic response to lumigyl: India

Abscess, Amebic
Olivos M, G; Amaro G, R; Penaloza M, P
1980 Rev Clin Espan 157 (3) May 15 209-210 Wm
amoebiasis, 31-year-old woman, case report, multiple perforations of colon associated with hepatic abscess, successfully treated with total colectomy: Mexico

Abscess, Amebic
Onyemelukwe GC; Onyewotu II
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 613-614 Wa
amoebic liver abscess, onchocerciasis, human, serum anticomplementary screening for immune complexes

Abscess, Amebic
Orenstein WA et al
1981 Am J Gastroenterol 75 (1) Jan 52-54 Wm
Entamoeba histolytica, 21-month-old child, simultaneous amebic liver abscess and hepatitis A, case report, diagnostic problems

Abscess, Amebic
Petchclai B; Koonakosit R; Akarawong K
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 55-57 Wa
Entamoeba histolytica, humans with hepatic abscesses, leucocyte migration test demonstrates cell-mediated immune response, some evidence of immunosuppression

Abscess, Amebic
Peters M et al
1979 Tropenmed u Parasitol 30 (4) Dec 409-416 Wa
Entamoeba histolytica, human hepatic abscesses, retrospective clinical evaluation of 27 cases: diagnostic methods, clinical findings, medical vs. surgical therapy

Abscess, Amebic
Peters RS; Gitlin N; Libke RD
1981 Ann Rev Med 32 161-174 Wa
Amebic liver abscess, review

Abscess, Amebic
Powalowska J; Dziubinski K
1980 Polski Tygod Lekar 35 (21) May 26 799-800 Wm
amoebiasis, man, hepatic abscess after travel to tropical countries, case report

Abscess, Amebic
Rasslan S et al
1979 Rev Paul Med 94 (3-4) Sept-Oct 82-84 Wm
Entamoeba histolytica, human hepatic abscess, rupture into peritoneum with resulting peritonitis, case report, clinical aspects

Abscess, Amebic
Rinaldi I; Murphy D
1979 Neurosurgery 5 (5) Nov 607-610 Wm
primary amebic meningoencephalitis with cerebral and cerebellar abscesses, 47-year-old woman, case report, fatal illness; disease pathogenesis, clinical presentations, diagnosis using warm wet microscopic slide presentations, therapy: Virginia

Abscess, Amebic
Rohde FC; Prieto O; Riveros O
1979 Brit J Dis Chest 73 (3) July 302-304 Wm
amoebiasis, human hepatic abscesses, thoracic complications, clinical, radiological, and therapeutic features of 170 cases

Abscess, Amebic
Rousset JJ; Boussougant Y
1980 Nouv Presse Med 9 (8) Feb 16 536-537 Wm
Entamoeba histolytica in pus removed from human hepatic abscess, survival for at least 80 hours, alert for physicians and laboratory workers: Paris

Abscess, Amebic
Sankale M; Quenum C
1977 African J Med and Med Sc 6 (2) June 81-88 Wm
hepatic abscess, human amoebic and amicrobial, clinical aspects, pathology of 600 cases (1960-1973) reviewed: Senegal

Abscess, Amebic
Singh, DS et al
1980 J Ass Physicians India 28 (5-6) May-June 119-123 Wm
amoebiasis, humans, extraintestinal forms (most prevalent in males 20-40 years of age), clinical pathology, diagnosis using indirect haemagglutination and bentonite flocculation tests

Abscess, Amebic
Staples DC; Dale JA
1980 Gastrointest Endoscopy 26 (1) Feb 21-22
amebic liver abscess, 19-year-old man after visit to Mexico, aspiration of abscess using peritoneoscopic techniques to guide placement of needle in abscess cavity: California

Abscess, Amebic
Stevens DL et al
1979 Am J Gastroenterol 72 (3) Sept 234-238 Wm
E[ntamoeba] histolytica, Caucasian male, case report, hepatic abscess, nonreactive to immunological tests preoperatively, motile hematophagous trophozoites seen microscopically in scrapings from wall of abscess, postoperative serologic tests were positive

Abscess, Amebic
Tandon A
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 574-575 Wa
Entamoeba histolytica, human, serodiagnosis, enzyme linked immunosorbent assay evaluated on patients with intestinal amoebiasis, amebic liver abscess, and non-specific hepatomegaly, comparison with indirect haemagglutination assay

Abscess, Amebic
Tosswill JHC; Ridley DS; Warhurst DC
1980 J Clin Path 33 (1) Jan 33-35 Wa
Entamoeba histolytica, counter immunoelectrophoresis as rapid screening test for liver abscess

Abscess, Amebic
Tyagi SK et al
1980 J Ass Physicians India 28 (12) Dec 515-519 Wm
amoebic pericarditis as a rare but serious complication of amoebic liver abscess, clinical observations, diagnosis, case reviews: India

Abscess, Amebic
Verlenden WL III; Frey CF
1980 Am J Surg 140 (1) July 53-59 Wm
amoebiasis, 13 patients with hepatic abscess, predisposing factors, diagnostic findings, importance of diagnosis and surgical intervention

Abscess, Amebic
Waintraub SE et al
1980 N York State J Med 80 (9) Aug 1431-1433 Wm
Entamoeba histolytica, man, case report, concurrent amebic colitis and amebic liver abscess, fatal illness, clinical review: New York

Abscess, Amebic
Wallace RJ jr et al
1978 Arch Surg Chicago 113 (3) Mar 322-325 Wm
Amebic peritonitis following rupture of an amebic liver abscess. Successful treatment of two patients

Abscess, Amebic
Yamataka S
1978 Yokohama Med Bull 29 (1-4) Aug 39-51 Wm
E[ntamoeba] histolytica, seamen, case reports, diagnosis, clinical aspects: Japan (natives of Far East)

Abscess, Amebic
Ylvisaker JT; McDonald GB
1980 Western J Med 132 (2) Feb 153-157 Wa
Entamoeba histolytica, two homosexual men presenting amebic colitis and liver abscess, diagnostic difficulties, evidence that sexually transmitted amebiasis can be virulent illness

Absorption [See also Osmosis; Permeation]

Absorption, Host
Anand BS et al
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 565-569 Wa
Giardia lamblia, rats, pathogenesis of malabsorption

Absorption, Host
Ball SJ; Heading CE; Tranter B
1980 Experientia 36 (7) July 15 839-840 Wm
Eimeria nieschulzi-infected rats, absorption of glycine and proline through jejunum and ileum was impaired when the amino acids were presented to mucosal surface as either a mixture or the dipeptide glycyl-proline

Absorption, Host
Brown KH et al
1980 Am J Clin Nutrition 33 (9) Sept 1975-1982 Wa
Ascaris lumbricoides, children with varying worm burdens, changes in macronutrient absorption from a rice-vegetable diet before and after treatment for parasites, treatment of ascariasis may be nutritionally advantageous for children with heavy worm burdens and marginal protein availability

Absorption, Host
Chavalittamrong B; Suntornpoch V; Siddhikol C
1980 Southeast Asian J Trop Med and Pub Health 11 (2) June 245-249 Wa
Giardia lamblia-infected children vs. noninfected children, serum vitamin A and β-carotene levels, indications that there may be malabsorption of vitamin A and that low serum vitamin A levels may be found in infected children, recommends supplementary vitamin A given with antigiardia agent: Thailand

Absorption, Host
Cook GC
1981 Acta Trop 38 (2) June 173-178 Wa
influence of systemic infections (including Plasmodium falciparum) in Papua New Guineans on xylose absorption

Absorption, Host
Cook GC
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 378-384 Wa
post-infective tropical malabsorption, human, jejunal absorption rates of glucose and glycine, presence of Giardia lamblia did not affect severity of malabsorption

Absorption, Host
Dedieu P; Gibon M
1981 Gastroenterol Clin et Biol 5 (4) Apr 456-468 Wm
intestinal parasites, humans, cause of malabsorption syndromes, general clinical review, therapy

Absorption, Host
Hale OM et al
1981 J Animal Sc 52 (2) 316-322 Wa
Oesophagostomum quadrispinulatum, O. dentatum, pigs (exper.), effect of different levels of infection on weight gain, digestion, and absorption of nutrients

Absorption, Host
Hansen BD; Sleeman HK; Pappas PW
1980 J Parasitol 66 (2) Apr 205-212 Wa
Plasmodium berghei-infected rat erythrocytes, saponin-released 'free parasites', and normal erythrocytes, purine base and nucleoside uptake; initial metabolism of adenosine by 'free parasite'

Absorption, Host
Hoshika K et al
1980 Nippon Shokakibyo Gakkai Zasshi (Japan J Gastroenterol) 77 (3) Mar 368-376 Wm
Giardia lamblia in patient with reduced secretory immunoglobulin A in duodenal aspirate, pathology of parasite-induced malabsorption, flagyl therapy ineffective

Absorption, Host
Hutchison WM et al
1981 Ann Trop Med and Parasitol 75 (1) Feb 115-116 Wa
Isospora felis-infected cats, scanning electron microscopy of small intestine, morphological appearance indicates that absorption may be greatly impaired

Absorption, Host
James S
1980 Parasitology 80 (2) Apr 313-322 Wa
Eimeria tenella, differences between thiamine uptake by isolated second-generation schizonts and by host intestinal cells, inhibitory effects of amprolium, further differences in drug-resistant parasite line

Absorption, Host
Khosla SN; Sharma SV; Srivastava SC
1978 Am J Gastroenterol 69 (6) June 694-700 Wm
Giardia lamblia, humans with symptomatic giardiasis, infestation had little effect on jejunal absorption studies, thus frank malabsorption syndrome apparently does not occur in giardiasis, if present it is indicative of coexisting disease

Absorption, Host
Maspes V; Tamigaki M
1979 Rev Saude Pub S Paulo 13 (4) Dec 357-365 Wm
ancylostomiasis, patients with anemia and high rate of parasitism, hematologic variations, importance of iron reabsorption in intestinal hemorrhage

Absorption, Host
Meade HM; Heading CE; Ball SJ
1981 Biochem Soc Tr 9 (1) Feb 131-132 Wa
Eimeria nieschulzi, rats, glycylproline absorption throughout period of infection and recovery

Absorption, Host
Ruff MD; Augustine PC; Madden PA
1981 Exper Parasitol 51 (1) Feb 87-94 Wa
Eimeria meleagrimitis, E. adenoeides, or E. dispersa, turkeys (exper.), severity of infection, intestinal malabsorption, and intestinal morphology

Absorption, Host
Ruff MD; Wilkins GC
1980 Parasitology 80 (3) June 555-569 Wa
Eimeria spp., in vitro absorption of glucose and L-methionine in 8 regions of small intestine of infected broilers

Absorption, Host
Scofield AM
1980 Internat J Parasitol 10 (5-6) Nov-Dec 375-380 Wa
Nippostrongylus brasiliensis, rats, effect of level of infection on intestinal absorption and metabolism of hexoses, host sex differences

Absorption, Host
Scofield AM
1980 Experientia 36 (12) Dec 15 1404-1405 Wa
Nippostrongylus brasiliensis, rats, primary vs. secondary infections, intestinal glucose absorption and metabolism, pattern of changes probably related to host immunological activity

Absorption, Host
Sherif SM et al
1977 Ain Shams Med J 28 (1-2) Jan-Mar 31-45 Wm
schistosomal polyposis of colon, humans, accompanied by intestinal malabsorption resulting in cachexia and malnutrition, pathology compared with patients with schistosomal liver fibrosis and with normal controls

Absorption, Host
Smith RR; Ruff MD; Witlock DR
1980 Proc Helminth Soc Washington 47 (2) July 235-246 Issued Aug 25 Wa
Eimeria necatrix-infected chickens (exper.), response of jejunum to infection and subsequent effect on methionine and glucose absorption, light and electron microscopy

Absorption, Host
Stephenson LS et al
1980 Exper Parasitol 49 (1) Feb 15-25 Wa
Ascaris suum-infected young pigs, nutrient (protein and fat) absorption, growth, and intestinal pathology

Absorption, Host
Ting AW; Sherman IW
1981 Internat J Biochem 13 (8) 955-958 Wa
Plasmodium falciparum-infected human erythrocytes, Plasmodium lophurae-infected duck erythrocytes, hypoxanthine transport

Absorption, Host
Turk DE
1981 Poultry Science 60 (2) Feb 323-326 Wa
Eimeria spp., chickens (exper.), effect of infection on host growth and intestinal absorption of iron

Absorption, Host
Wright SG
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 436-437 Wa
giardiasis and malabsorption, review

Absorption, Parasite
Ando K; Mitsuhashi J; Kitamura S
1980 Am J Trop Med and Hyg 29 (2) Mar 213-216 Wa
Dirofilaria immitis, uptake of amino acids and glucose by microfilariae maintained in culture medium for 8 days

Absorption, Parasite
Aomine M
1981 Comp Biochem and Physiol 68A (2) 131-147 Wa
Protozoa, carbohydrate transport and utilization, extensive review

Absorption, Parasite
Aomine M
1981 Comp Biochem and Physiol 68A (4) 531-540 Wa
Protozoa, amino acid absorption and transport, review

Absorption, Parasite
Barrett J
1981 Biochemistry of parasitic helminths 308 pp London (MacMillan Publishers Ltd) Wa(QL392.B3)

Absorption, Parasite
Beames CG jr; Merz JM; Donahue MJ
1981 Biochem Parasites (Slutzky) 75-83 Wa
Ascaris suum, intestine, some biochemical and physiological characteristics, movement of electrolytes and non-electrolytes across epithelial cell membrane and permeability characteristics of basement membrane

Absorption, Parasite
Bogitsh BJ; Carter OS
1980 Exper Parasitol 49 (3) June 319-327 Wa
Schistosoma mansoni, effect of colchicine on in vitro uptake and incorporation of proline in tegument of male vs. female adults, on cytochemical localization of alkaline phosphatase in tegumental invaginations, and on tegumental and subtegumental morphology

Absorption, Parasite
Chen SN; Howells RE
1981 Ann Trop Med and Parasitol 75 (3) June 329-334 Wa
Dirofilaria immitis, uptake in vitro of monosaccharides, disaccharide and nucleic acid precursors by adult male and female worms, transcuticular uptake demonstrated

Absorption, Parasite
Chen SN; Howells RE
1981 Exper Parasitol 51 (2) Apr 296-306 Wa
Brugia pahangi, uptake and incorporation of nucleic acid precursors by microfilariae and macrofilariae in vitro

Absorption, Parasite
Cornford EM; Bocash WD; Oldendorf WH
1981 J Parasitol 67 (1) Feb 24-30 Wa
Schistosomatium douthitti, transintegumental glucose uptake in male and female worms, possible implications for male-female nutritional relationships

Absorption, Parasite
Fetterer RH; Pax RA; Bennett JL
1981 Parasitology 82 (1) Feb 97-109 Wa
Schistosoma mansoni adult males, evidence of significant role for active $Na^+$-$K^+$ transport in muscle contraction and in maintenance of tegumental membrane potential, data suggest that $Na^+$-$K^+$ transport may be electrogenic

Absorption, Parasite
Gordon R; Walsh DJ; Burford IR
1981 Parasitology 83 (3) Dec 451-457 Wa
Romanomermis culicivorax, free-living stages, activity of beta-oxidation enzymes, uptake of palmitate and oxidation to $CO_2$

Absorption, Parasite
Gruenberg J et al
[1981] J Protozool 27 (4) Nov 1980 484-491 Issued Mar 11 Wa
Trypanosoma brucei brucei, bloodstream forms, role of glycerol permeation in relation to anaerobic metabolism

Absorption, Parasite
Gupta V; Agarwal SK
1979 Indian J Helminth 29 (1-2) Mar-Sept 1977 93-103 Issued Feb 28 Wa
Gastrothylax crumenifer, in vitro survival in 5 basic salt solutions and in presence of simple carbohydrates, effect of pH, absorption of carbohydrates through cuticle under aerobic conditions

Absorption, Parasite
Hansen BD; Sleeman HK; Pappas PW
1980 J Parasitol 66 (2) Apr 205-212 Wa
Plasmodium berghei-infected rat erythrocytes, saponin-released 'free parasites', and normal erythrocytes, purine base and nucleoside uptake; initial metabolism of adenosine by 'free parasite'

Absorption, Parasite
Howells RE; Chen SN
1980 Trop Dis Research Ser (3) 395-396 Wm
Brugia pahangi, feeding and nutrient uptake in vivo and in vitro, workshop presentation

Absorption, Parasite
Howells RE; Chen SN
1981 Exper Parasitol 51 (1) Feb 42-58 Wa
Brugia pahangi, transcuticular uptake of D-glucose, L-leucine, and adenosine in vitro, no evidence for oral ingestion of materials in vitro but oral uptake of Trypan blue demonstrated in vivo, ultrastructure and cytochemical staining reactions for enzymes of gut and body wall

Absorption, Parasite
Insler GD
1981 Comp Biochem and Physiol 70B (4) 697-702 Wa
Hymenolepis diminuta, crowded vs. uncrowded worms, 10-day-old vs. 6-day-old worms, thymidine uptake kinetics, effect of succinate

Absorption, Parasite
Irvin AD et al
1981 Internat J Parasitol 11 (6) Dec 451-456 Wa
Theileria parva, incorporation of radio-labelled nucleic acid precursors by parasites in bovine blood and in salivary glands of Rhipicephalus appendiculatus, possible applications of this labelling method

Absorption, Parasite
James DM; Born GVR
1980 Parasitology 81 (2) Oct 383-393 Wa
Trypanosoma brucei, T. congolense, kinetics and inhibition of uptake of purine bases and nucleosides; dipyridamole and its analogue (RA-233) inhibited uptake of adenosine by T. brucei but dipyridamole had no effect on T. brucei infections in mice

Absorption, Parasite
James S
1980 Parasitology 80 (2) Apr 313-322 Wa
Eimeria tenella, differences between thiamine uptake by isolated second-generation schizonts and by host intestinal cells, inhibitory effects of amprolium, further differences in drug-resistant parasite line

Absorption, Parasite
Kaul CL; Grewal RS; Sen HG
1980 Indian J Exper Biol 18 (7) July 745-746 Wa
Necator americanus adults, glucose uptake and glycogen synthesis

Absorption, Parasite
Lumsden RD; Murphy WA
1980 Ohio State Univ Biosc Colloq (5) 95-130 Wm; Wa
cestode surface, morphological and functional aspects, review

Absorption, Parasite
Lussier PE; Podesta RB; Mettrick DF
[1980] J Parasitol 65 (6) Dec 1979 842-848 Issued Apr 2 Wa
Hymenolepis diminuta, Na+-dependent and Na+-independent components of neutral amino acid transport

Absorption, Parasite
Matricon-Gondran M
1980 Tissue and Cell 12 (2) 383-394 Wa
Echinostoma caproni, gap junctions and particle aggregates in tegumentary syncytium, significance of these structures with respect to tegumentary permeability and exchanges with parenchyma

Absorption, Parasite
Midgley M; Stephenson MC
1980 Biochem Soc Tr 8 (3) June 307-308 Wm
Crithidia fasciculata, measurement of membrane potential component of transmembrane proton electrochemical gradient

Absorption, Parasite
Miller PGG; Klein RA
1980 J Gen Microbiol 116 (2) Feb 391-396 Wa
Trypanosoma brucei, T. evansi, effects of oligomycin on glucose utilization and calcium transport

Absorption, Parasite
Pappas PW
1980 Ohio State Univ Biosc Colloq (5) 145-172 Wm; Wa
enzyme interactions at host-parasite interface, review

Absorption, Parasite
Pappas PW; Gamble HR
1980 Parasitology 81 (2) Oct 395-403 Wa
Hymenolepis diminuta, characteristics of aromatic amino acid transport

Absorption, Parasite
Poinar GO jr; Hess R; Doucet M
1981 Rev Nematol 4 (1) 35-40 Wa
parasitic juvenile mermithids (Empidomermis riouxi and undetermined species from Porcellio scaber), cuticle and hypodermis, intestine, ultrastructure, surface modifications of hypodermal and trophosome cells, possible implications for mode of uptake of nutrients

Absorption, Parasite
Popiel I; Erasmus DA
1981 J Helminth 55 (1) Mar 33-37 Wa
Schistosoma mansoni, changes in rate of tyrosine uptake and incorporation by unisexual females after stimulation by males and male extracts, implications for reproductive development

Absorption, Parasite
Roy TK; Srivastava VML
1981 Exper Parasitol 51 (1) Feb 21-27 Wa
Cotugnia digonopora, mechanism of leucine transport through tegument

Absorption, Parasite
Rumjanek FD; Simpson AJG
1980 Molec and Biochem Parasitol 1 (1) Mar 31-44 Wa
Schistosoma mansoni, incorporation and utilization of radiolabelled lipids by adult schistosomes in vitro

Absorption, Parasite
Soutter AM; Walkey M; Arme C
1980 Ztschr Parasitenk 63 (2) 151-158 Wa
Ligula intestinalis, amino acid composition in plerocercoids, and in perivisceral fluid and blood of infected Rutilus rutilus, L-leucine uptake by plerocercoids

Absorption, Parasite
Thuet P; Romestand B
1981 Arch Internat Physiol et Biochim 89 (1) Feb 15-33 Wa
Meinertia oestroides, Anilocra physodes, osmotic and ionic regulation, water transfer as function of salinity of medium, relationship to localization on host body, hypothesis concerning mechanism of feeding; some results also for Emetha audouini

Absorption, Parasite
Uglem GL
1980 J Parasitol 66 (5) Oct 748-758 Wa
Proterometra macrostoma, sugar transport by rediae and cercarial bodies in relation to environmental factors, no sugar transport system detected in adults or cercarial tails

Absorption, Parasite
Uglem GL; Prior DJ
1980 Exper Parasitol 50 (2) Oct 287-294 Wa
Hymenolepis diminuta, chloride fluxes and membrane potentials associated with sodium-coupled glucose transport

Absorption, Parasite
Voorheis HP
1980 Biochem Soc Tr 8 (3) June 273-275 Wm
Trypanosoma brucei, energized amino acid transport requires glycolytic intermediate

Absorption, Parasite
Voorheis HP
1980 Molec and Biochem Parasitol 1 (3) June 177-186 Wa
Trypanosoma brucei and other Kinetoplastida spp., fatty acid uptake

Absorption, Parasite
Wong HA; Fernando MA
1981 Internat J Parasitol 11 (3) June 197-199 Wa
Ancylostoma caninum, glucose absorption for glycogen synthesis, effect of temperature and glucose concentration in the presence or absence of dog serum

Accidental parasites See Parasites, Accidental

Adaptation [See also Ecology; Evolution; Genetics; Host-parasite relationships]

Adaptation
Abbas AK; James SL; Sher A
1981 J Immunol 126 (3) Mar 1022-1024 Wm
Schistosoma mansoni, immunogenicity of haptenated skin-stage vs. lung-stage schistosomula in vitro, observations suggest that maturation of schistosomula in vivo is accompanied by decline in their immunogenicity, may be adaptive mechanism to promote survival in host environment

Adaptation
Astaf'ev BA; Fedina LV
1975 Parazitologiia Leningrad 9 (4) July-Aug 321-326 Wa
Hymenolepis nana, strains from man, white rats, and Norway rats, adaptation to white mouse, infectivity, developmental rates of tissue stages, localization of cysticercoids in small intestine and mesenteric lymph glands

Adaptation
Atkinson HJ; Onwuliri COE
1981 Exper Parasitol 52 (2) Oct 191-198 Wa
Nippostrongylus brasiliensis, Haemonchus contortus, improved technique for measuring water content of nematodes using electronic interferometer, application to study of function of excretory ampulla of 3rd stage larvae, results suggest that ampulla is adaptation to hypotonic conditions favoring volume homeostasis that is required for optimal locomotor activity

Adaptation
Babiker EA; Le Ray D
1981 Ann Soc Belge Med Trop 61 (1) Mar 15-29 Wa
Trypanosoma brucei gambiense, adaptation of low virulence stocks to rats and mice, evaluation of some methods previously described for enhancing trypanosome infectivity (rapid passaging, drug-induced immunodepression, use of age-related receptivity), establishment of cloned pleomorphic populations

Adaptation
Baker JR
1977 Acta Trop 34 (1) Mar 7-19 Wa
vector-borne blood parasites, morphological and physiological adaptations which facilitate transmission between invertebrate and vertebrate hosts, review

Adaptation
Bayssade-Dufour C
[1980] Ann Parasitol 54 (6) Nov-Dec 1979 593-614 Wa
Schistosoma mansoni, pattern of cercarial chaetotaxy varies between African and American strains and between human and murine strains, adaptation of human strain to white mice, possible clinical and epidemiological implications with emphasis on situation in Guadeloupe

Adaptation
Bloom BR; Tanowitz H; Wittner M
1979 Immune Mech and Dis 69-100 Wm; Wa
mechanisms for escape of immune surveillance by parasites, review (old-time genetic engineering; antigenic variation; antigenic mimicry and concomitant immunity; learning to live in your macrophages; jamming the immune response; subversion of the immune system)

Adaptation
Chin W; Collins WE
1980 Am J Trop Med and Hyg 29 (6) Nov 1143-1146 Wa
Plasmodium falciparum, 3 strains isolated by culture method of Trager and Jensen, strain characteristics (sensitivity to antimalarials, virulence of infections in Aotus monkeys, production of gametocytes) differed markedly depending on ease of adaptation to culture, implications of findings particularly as they may apply to epidemiology of chloroquine-resistant falciparum malaria

Adaptation
Crowden AE; Broom DM
1980 Animal Behaviour London 28 (1) Feb 287-294 Wa
Diplostomum spathaceum-infected Leuciscus leuciscus because of decreased feeding efficiency spend more time in surface waters feeding which increases likelihood of fish being eaten by gull

Adaptation
Davis JC; Camin JH
1977 J Med Entom 14 (3) Nov 30 373-378 Wa
Dermanyssus prognephilus, stimuli (chemical and tactile), receptors, mechanism, and adaptive value of aggregation behavior, laboratory study

Adaptation
Day JF; Benton AH
1980 Am Midland Naturalist 103 (2) Apr 333-338 Wa
siphonapteran parasites of Glaucomys volans volans have apparently separated themselves seasonally by adjusting their life history schedules so that adults of only one species of flea predominate in the nest during any given month of the year

Adaptation
Driuchenko EA; Shishova-Kasatochkina OA
1978 Trudy Gel'mintol Lab Akad Nauk SSSR 28 92-103 Wa
nematodes, role of their protein metabolism in their adaptation to parasitism, review

Adaptation
Ferretti G; Gabrielle F; Palmas C
1981 Internat J Parasitol 11 (6) Dec 425-430 Wa
Hymenolepis nana, development of human and mouse strains in mice of different ages and strains, "data leave little room for maintaining the diversity of H. fraterna and H. nana"

Adaptation
Gass RF
1977 Acta Trop 34 (2) June 127-140 Wa
Plasmodium gallinaceum in Aedes aegypti given 2 consecutive blood meals, oocyst production inhibited or enhanced depending on timing of blood meals, results explained by action of host trypsin-like proteases on parasites, plasmodia 0-10 hours after blood meal are more sensitive to enzymes than later stages of parasite, suggests developmental adaptation of parasite to host's digestive processes

Adaptation
Gloria-Bottini F
1980 Experientia 36 (5) May 15 541-543 Wa
relations between G-6-PD deficiency, thalassemia, and malaria: Sardinia; Po Valley

Adaptation
Humphery-Smith I; Moorhouse DE
1981 Ann Parasitol 56 (3) 353-357 Wa
Ornithodoros capensis, survival in abandoned nests of Anous minutus during non-nesting season as mechanism of host acquisition when birds re-use nests: Heron Island, Capricorn Group, Great Barrier Reef

Adaptation
Jenni L et al
1980 Nature London (5745) 283 Jan 24 383-385 Wm
Trypanosoma brucei-infected Glossina probed more frequently and fed more voraciously than uninfected flies, differences in feeding behavior result from impaired function of labral mechanoreceptors in infected flies, indicates advantageous adaptation by parasites that may have profound epidemiological and epizootiological implications

Adaptation
Liddell KG; Lucas SB; Williams H
1981 Parasitology 82 (2) Apr 205-224 Wa
Babesia divergens (strain isolated from fatal human case)-infected Meriones unguiculatus, useful laboratory host: general course of disease, cryopreservation of infected blood, host adaptation/parasite virulence during semi-continuous passage, parasite morphology, haematological, blood biochemical, and pathological findings, immunity of recovered animals to further challenge

Adaptation
Panfilova IM
1980 Zool Zhurnal 59 (8) Aug 1137-1147 Wa
Ixodes persulcatus, feeding females, inhibition of growth and oogenesis related to absence of fertilization, disturbances in activity of synganglion neurosecretory cells and lateral organs, dynamics of activity of different elements of neuro-endocrine system compared in feeding non-fertilized and fertilized females (these changes in non-fertilized females considered an adaptation to long wait for fertilization)

Adaptation
Pappas PW
1980 Ohio State Univ Biosc Colloq (5) 145-172 Wm; Wa
enzyme interactions at host-parasite interface, review

Adaptation
Pearre S jr
1979 Internat Rev Ges Hydrobiol 64 (2) 193-206 Wa
hemiurid larval trematode-infected chaetognaths, morphological (gigantism) and behavioral (vertical migration to better-lit habitat) modifications, excess field mortality, lowered reproductive potential, contagious distribution of parasites within host population, may be optimal strategy to increase intermediate host predation by correct final host species and minimize damage to intermediate host population as a whole

Adaptation
Price PW
1980 Monogr Population Biol (15) 237 pp Wa
parasites, evolutionary biology: non-equilibrium populations and communities; genetic systems; adaptive radiation and specificity; ecological niches, species packing, and community organization; impact on evolutionary biology of host

Adaptation
Rietschel G
1980 Zool Jahrb Jena Abt Syst 107 (2) 265-285 Wa
Oestromyia leporina, egg development and adaptation; thermotactic orientation of 1st stage larvae; 2nd stage immobile and not capable of coordinated locomotion; leaving of host by mature 3rd stage induced by light; interruption of diapause by freezing or its omission by keeping host under long-day conditions during last 2-5 days of 3rd larval stage

Adaptation
Saz HJ
1981 Ann Rev Physiol 43 323-341 Wa
helminths, energy metabolisms, adaptation to parasitism, review

Adaptation
Schom C; Novak M; Evans WS
1981 Parasitology 83 (1) Aug 77-90 Wa
Hymenolepis citelli in Tribolium confusum, effect of host starvation prior to infection, parasite population size, host sex, and host genotype on host mortality or survival and on rate of parasite development, evaluation of results from genetic and evolutionary point of view

Adaptation
Seureau C
1981 Ann Parasitol 56 (2) 179-181 Wa
Maupasina weissi, encapsulation in adipose tissue of Locusta migratoria, elicitation of hemocytic reaction, shows defective adaptation of parasite to intermediate host

Adaptation
Sokhina LI; Koloskova TG
1978 Trudy Gel'mintol Lab Akad Nauk SSSR 28 104-108 Wa
nematodes of mammals, birds, or fish, enzyme activity in relation to host thermal regime, factor in adaptation to parasitism

Adhesion See Attachment

Adjuvants See Immunopotentiation

Adoptive immunity See Immunity, Passive

Afghanistan
Arsen'eva LP; Neronov VM
1980 Med Parazitol i Parazitar Bolezni 49 (4) July-Aug 37-42 Wa
ticks and mites of wild and domestic animals: Afghanistan

Africa
Okereke TA
1976 African J Med and Med Sc 5 (2) June 139-147 Wm
indices of arthropod borne diseases in Africa

Agar gel diffusion See Immunity, Precipitation

Age [See also Longevity; Survival and viability]

Age of host
Abaru DE et al
1980 Acta Trop 37 (1) Mar 63-71 Wa
Wuchereria bancrofti, human, prevalence and density of microfilariae, clinical manifestations, host age, length of residence in endemic area, correlations: Tanzania

Age of host
Abdel-Wahab MF et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 868-874 Wa
Schistosoma mansoni, human, prevalence, intensity, morbidity, host age and sex: Nile Delta village, Egypt

Age of host
Ade-Serrano MA; Ejezie GC
1981 Ann Trop Med and Parasitol 75 (4) Aug 471-472 Wm
Tunga penetrans in school children, prevalence by age and sex: Oto-Ijanikin village, Badagry, Lagos State, Nigeria

Age of host
Addison EM; Fyvie A; Johnson FJ
1979 Canad J Zool 57 (8) Aug 1619-1623 Wa
Taenia hydatigena, T. krabbei, Echinococcus granulosus, prevalence and intensity of infection in Alces alces in relation to host age, size and site of encystment of hydatid cysts: Chapleau Crown Game Preserve, northeastern Ontario

Age of host
Aikat BK et al
1978 Indian J Med Research 67 Mar 381-391 Wa
Entamoeba histolytica, human hepatic abscesses, 79 autopsy cases, host age and sex, clinicopathological manifestations

Age of host
Aikat BK et al
1979 Indian J Med Research 70 Oct 563-570 Wa
kala-azar, humans, clinical profile of cases, age and sex incidence, controlled treatment regimen: Bihar

Age of host
Al-Abbassy SN et al
1980 Ann Trop Med and Parasitol 74 (2) Apr 185-187 Wa
hydatid cysts, prevalence, localization, and fertility in slaughtered sheep (by age group), goats, cattle, and camels, reasons for lower prevalence rates than in previous surveys: Baghdad abattoir, Iraq

Age of host
Al-Alousi TI; Latif BMA; Al-Shenawi FA
1980 Ann Trop Med and Parasitol 74 (5) Oct 503-506 Wa
leishmaniasis, children, diagnosis, indirect fluorescent antibody test using dried blood on filter paper, incidence in different provinces, age groups, and sexes: Iraq

Age of host
Albiez EJ; Ganley JP; Buettner DW
1981 Tropenmed u Parasitol 32 (1) Mar 25-28 Wa
Onchocerca volvulus, human, clinical, parasitological, and ophthalmological data, host age and sex: hyperendemic village in rain forest of Liberia

Age of host
Alekseev AN; Saf'ianova VM; Karapet'ian AB
1975 Parazitologiia Leningrad 9 (3) May-June 271-277 Wa
Leishmania tropica major promastigotes, promastigotes from Agama sanguinolenta (conditionally L. gymnodactyli), infection of different species of sandflies with one species or with both species at the same time or successively, mortality rates, effect of age at time of infection; serological identification of natural infections in sandflies in Turkmenia

Age of host
Al-Taqi M; Behbehani K
1980 Ann Trop Med and Parasitol 74 (5) Oct 495-501 Wa
cutaneous leishmaniasis, human, clinical observations, host age and sex, seasonal incidence, geographical distribution, factors which may have led to spread of infection (including increase in economic activities, travellers and immigrants, change in ecological conditions): Kuwait

Age of host
Ambu S; Kwa BH
1980 J Helminth 54 (1) Mar 43-44 Wa
Taenia taeniaeformis, susceptibility of 3 different strains of rat of different ages and both sexes

Age of host
Amin OM; Burns LA; Redlin MJ
1980 Proc Helminth Soc Washington 47 (1) Jan 37-46 Issued Feb 15 Wa
Acanthocephalus parksidei in Caecidotea militaris, prevalence, intensity, developmental cycle, sex of parasite, age and sex of host, seasonal variations, analyses of parasite population distribution: Pike River, southeastern Wisconsin

Age of host
Anderson RM
1980 Lecture Notes Biomath 39 278-322 Wa
mathematical framework to describe dynamics of direct life cycle helminth parasites, general properties of model with attention focused on transmission threshold and unstable breakpoints, methods of predicting trends in prevalence and intensity of infection within age-structured populations, dynamics of Necator americanus infections (model predictions compared with data from India and Taiwan), significance of seasonal climatic change and spatial heterogeneity, analysis of effectiveness of various control methods, future research needs, symposium presentation

Age of host
Andrews C
1979 J Fish Dis 2 (1) Jan 27-33 Wa
Henneguya psorospermica, prevalence of cysts in Perca fluviatilis (gill filaments), age of host, seasonal occurrence in adult perch: Llyn Tegid, Wales

Age of host
Anosa VO; Obi TU
1980 Zentralbl Vet Med Reihe B 27 (9-10) 773-788 Wa
haematology and incidence of blood protozoans and helminths in 4 breeds of cattle under nutritional stress, role of host age, breed, and haemoglobin type

Age of host
Applewhaite LM; Craig TM; Wagner GG
1981 Trop Animal Health and Prod 13 (1) Feb 13-18 Wa
Babesia bigemina, B. bovis, native and imported cattle, serological prevalence, comparison of indirect fluorescent antibody and complement fixation tests, effect of host age: Guyana

Age of host
Apt B, W
1980 Rev Med Chile 108 (3) Mar 203-209 Wm
Chagasic cardiomyopathy, humans, epidemiologic survey (including age and sex), clinical and electrocardiographic findings: Limari Valley, Chile

Age of host
Arfaa F
1981 J Family Pract 12 (2) Feb 223-226 Wm
Intestinal parasites among Indochinese refugees and Mexican immigrants resettled in Contra Costa County, California, rates of infection varied with age and sex

Age of host
Arribada A et al
1979 Rev Med Chile 107 (1) Jan 9-15 Wm
Chagas disease, epidemiologic and electrocardiographic survey of individuals of 7 villages for evidence of cardiomyopathy, comparisons by age and sex; concurrent survey for toxoplasmic infections: Elqui Valley, northern Chile

Age of host
Ashford RW et al
1979 Papua N Guinea Med J 22 (2) 128-135 Wm
Strongyloides spp., "cannot be identified... referred to as Kanabea Strongyloides", associated with acute edematous disease in infants, abundant in children 3 weeks to 5 years old, rare in adults, epidemiological survey, mode of transmission remains unknown: mid-mountain community, Papua New Guinea

Age of host
Ashford RW; Hall AJ; Babona D
1981 Ann Trop Med and Parasitol 75 (3) June 269-279 Wa
intestinal nematodes of man, distribution, prevalence and intensity by host age, effect of environmental influences, special reference to Strongyloides cf. fuelleborni: Papua New Guinea

Age of host
Ayala SC; Bradbury J; Bradbury S
1981 Ann Parasitol 56 (1) 21-22 Wa
Hepatocystis [carpenteri] in Hypsignathus monstrosus in relation to host age, sex, and (female) reproductive status: Gabon, West Africa

Age of host
Ba O; Rolland A; Marshall TFC
1981 Tropenmed u Parasitol 32 (3) Sept 181-183 Wa
Onchocerca volvulus, human, relationships between microfilaruria, irreversible eye lesions, and microfilarial load in anterior segment of eye according to age and sex: North Benin

Age of host
Babiker EA; Le Ray D
1981 Ann Soc Belge Med Trop 61 (1) Mar 15-29
Wa
Trypanosoma brucei gambiense, adaptation of low virulence stocks to rats and mice, evaluation of some methods previously described for enhancing trypanosome infectivity (rapid passaging, drug-induced immunodepression, use of age-related receptivity), establishment of cloned pleomorphic populations

Age of host
Ballard JT; Ring RA
1979 Canad J Zool 57 (10) Oct 1980-1984 Wa
ectoparasites of Uria aalge, burdens of adults and juveniles compared and contrasted, localization on host

Age of host
Banina NN
1975 Parazitologiia Leningrad 9 (3) May-June 285-292 Wa
Apiosoma, distribution on body of young and adult fish, seasonal dynamics, morphological changes in different habitats on body

Age of host
Barriga Angulo G; Ruiz Sanchez D
1980 Rev Latinoam Microbiol 22 (2) Apr-June 105-108 Wa
Entamoeba histolytica, patients with cervicouterine infections, characteristics of 15 cases reviewed, host age distribution, some association with cervical carcinoma: Mexico

Age of host
Bartholomew RK; Peters PAS; Jordan P
1981 Ann Trop Med and Parasitol 75 (4) Aug 401-405 Wm
Schistosoma mansoni in St. Lucian and Kenyan communities, comparative study using quantitative Kato thick smear stool examination technique, prevalence and intensity by age and sex, results underline importance of standardized investigative methods

Age of host
Beauvais B et al
1978 Bull Soc Path Exot 71 (2) Mar-Apr 172-181
Wa
toxoplasmosis, human, serological survey, results in relation to host age and sex, climate-soil zone, and province (with inhabitants of diverse ethnic and socio-economic groups): Gabon

Age of host
Beck JT
1980 Am Midland Naturalist 104 (1) July 135-154
Wa
Probopyrus pandalicola on Palaemonetes paludosus, breeding season, brood size (annual and seasonal variation, relationship to host length, independent of host sex), attachment and size development of male and female parasites, host and parasite population structure and longevity: Wakulla Co., Florida

Age of host
Behbehani K; Al-Karmi T
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 209-212
Wa
Toxoplasma gondii, human, antibody prevalence in relation to host sex, age, and nationality: Kuwait

Age of host
Bella H et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 36-39
Wm
Schistosoma mansoni, migrant workers, prevalence (by age, sex, ethnic group, and area), morbidity: Gezira, Sudan

Age of host
Bennett GF; Turner B; Holton G
1981 J Wildlife Dis 17 (2) Apr 213-215 Wa
hematozoa, Olor buccinator, prevalence in cygnets, second year, and adult swans, sex of host: Grande Prairie region, Alberta

Age of host
Bettini S; Maroli M; Gradoni L
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 338-344
Wa
cutaneous and visceral leishmaniasis, analysis of all recorded human cases according to their geographical, temporal, and age distribution: Tuscany, Italy

Age of host
Beveridge I; Kummerow EL; Wilkinson P
1980 Tropenmed u Parasitol 31 (1) Mar 75-81 Wa
Onchocerca gibsoni in Bos indicus and Bos taurus, prevalence and intensity of nodules and microfilariae in cows of different age classes, nodule size and contents, observations on male and female worms and on degeneration of female worms: Australia

Age of host
Bickle Q et al
1980 Exper Parasitol 50 (2) Oct 222-232 Wa
Schistosoma mansoni, mice, influence of host's sex, age, and strain on resistance to reinfection

Age of host
Bienzle U; Guggenmoos-Holzmann I; Luzzatto L
1981 Internat J Epidemiol 10 (1) Mar 9-15 Wm
malaria in children (mostly Plasmodium falciparum) living in holoendemic malaria region, clinical parameters such as parasitaemia and degree of anaemia examined with respect to sex, age, haemoglobin types, and erythrocyte glucose-6-phosphate dehydrogenase variants: West Africa

Age of host
Blancou J et al
1980 Rev Med Vet Toulouse 131 (4) Apr 305-314
Wa
parasites of Capreolus capreolus, coproscopic results grouped by host age and sex: foret des Trois-Fontaines pres de Saint-Dizier (Haute-Marne)

Age of host
Bloomfield JA
1980 Australas Radiol 24 (3) Nov 277-283 Wm
hydatid disease, children and adolescents, radiologic diagnosis, manifestations in various organs, incidence twice as high in boys as in girls

Age of host
Boch J; Walter D
1979 Tierarztl Umschau 34 (11) Nov 1 749-752
Wa
coccidia, cats, age prevalence, faecal and serologic survey: Suddeutschland

Age of host
Bonucci E; Brinkmann UK; Onori E
1979 Tropenmed u Parasitol 30 (4) Dec 489-498 Wa
onchocerciasis, human, prevalence and pathological findings by age and sex, histologic changes in upper layers of dermis compared with macroscopical lesions observed, microfilariae found in number of skin snips although they had been submerged in saline for 24 hours: Southern Togo

Age of host
Bos HJ et al
1980 Am J Trop Med and Hyg 29 (3) May 358-363 Wa
Entamoeba histolytica in 9 populations, seroepidemiology, enzyme-linked immunosorbent assay, precipitin tests, age distribution: Surinam, South America

Age of host
Brandling-Bennett AD et al
1981 Am J Trop Med and Hyg 30 (5) Sept 970-981 Wa
Onchocerca volvulus, human, prevalence and intensity, host age and sex, type of work, nodules and nodulectomy, ocular infection, quantitative relationships: Guatemala

Age of host
Breniere S; Viens P
1980 Canad J Microbiol 26 (9) Sept 1090-1095 Wa
Trypanosoma musculi, pattern of infection and antibody production in baby mice, transfer of immunity from mother mice to litter through milk, specific antibody classes involved

Age of host
Briese LA; Smith MH
1980 J Mamm 61 (4) Nov 763-766 Wa
Mastophorus muris ascaroides in Sigmodon hispidus (stomach), rate of infection varies with host age but not with season or host sex, effect of parasitism on host body composition (15 elements plus fat, ash, and water content) appears to be slight: near Aiken, South Carolina

Age of host
Broadbent EJ; Ross R; Hurley R
1981 J Clin Path 34 (6) June 659-664 Wa
Toxoplasma gondii, prevalence of antibody in pregnant women evaluated by age groups, dietary habits, and history of animal contact; indirect haemagglutination antibody test vs. indirect fluorescent antibody test

Age of host
Bruchac D et al
1979 Bratisl Lekar Listy 72 (4) Oct 420-424 Wm
trichomoniasis, incidence of vaginal infections in pre-operative patients (most frequent in ages 26-45), diagnosis by microscopic, colposcopic, and culture examinations, importance of diagnosis prior to gynecological surgical procedures

Age of host
Buckle A; Harris S
1980 J Zool London 190 (3) Mar 431-439 Wa
flea epifauna of suburban Vulpes vulpes population, infestation levels, host age and sex, seasonal variation, foxes probably obtain majority of their fleas from habitat through which they move rather than from prey items: suburban London

Age of host
Burn PR
1980 J Parasitol 66 (3) June 532-541 Wa
parasites of Liopsetta putnami, prevalence and intensity, seasonal variations, host age, frequency distributions, pathogenicity (only noted for Glugea stephani), intra-estuarine variation in parasite occurrence and abundance as possible indicator of host movement and in relation to diversity of free-living community: Great Bay Estuary, New Hampshire

Age of host
Bussieras J; Chermette R
1980 Rec Med Vet 156 (9) Sept 605-608 Wa
Demodex folliculorum, dogs, clinical signs, sex, age, and breed of host, amitraz, tolerance, results of 2 year study

Age of host
Butorina TE
1975 Parazitologiia Leningrad 9 (3) May-June 237-246 Wa
parasite fauna of different intraspecific forms of Salvelinus alpinus, dynamics in relation to host age and feeding habits; some observations on life cycle, development, and maturation periods of parasites: Azabach'e lake basin, Kamchatka

Age of host
Bylund G et al
1981 J Helminth 55 (1) Mar 13-20 Wa
Onchocerca tarsicola in Rangifer tarandus (tibiotarsal and radiocarpal regions of limbs), rate and intensity of infection, differences between herds and age classes, parasite nodules and adult worms, connective tissue of nodules frequently infiltrated with Fibrocystis tarandi, difficulty of isolating adult worms from host tissue, occurrence of microfilariae, worm morphology: Finland

Age of host
Cabaret J
1980 Ann Soc Belge Med Trop 60 (1) Mar 97-101 Wa
protostrongylid larvae, exper. infection in land snail vectors, infection patterns related to age of hosts and infective larvae rather than to infective dose

Age of host
Cabaret J; Dakkak A; Alahkam L
1978 Ann Soc Belge Med Trop 58 (4) Dec 309-314 Wa
Protostrongylidae, sheep, statistical method for evaluating elimination of $L^1$ larvae in feces using nature of distribution, host age, and anthelmintic treatment

Age of host
Cabaret J; Dakkak A; Bahaida B
1980 Rev Elevage et Med Vet Pays Trop 33 (2) 159-165 Wa
protostrongylid larvae in terrestrial molluscs, degree of infestation dependent upon host age, rainfall, and season; prophylaxis against infection in sheep discussed: Rabat (Maroc)

Age of host
Cabaret J; Dakkak A; Bahaida B
1980 Vet Quart 2 (2) Apr 115-120 Wa
protostrongylids of sheep, prevalence, factors influencing output of larvae (seasonal variation, density of worm populations, age of host, treatment with tetramisole or fenbendazole, lambing): Morocco

Age of host
Cambon M et al
1980 Actualites Odonto-stomatol (130) 279-286
Wm
Trichomonas tenax, Entamoeba gingivalis, incidence in human oral cavity, predisposing factors (age, dental hygiene, disease, alcohol consumption)

Age of host
Camp JW jr; Huizinga HW
1980 J Parasitol 66 (2) Apr 299-304 Wa
Acanthocephalus dirus in Semotilus atromaculatus and Asellus intermedius, seasonal population interactions, prevalence and density, host size, parasite localization in intestine, parasite sex ratios: Illinois

Age of host
Canaris AG; Mena AC; Bristol JR
1981 J Wildlife Dis 17 (1) Jan 57-64 Wa
parasites, Anas crecca, prevalence and mean intensity of infection in migrating adults and juveniles: southwest Texas

Age of host
Cawthorn RJ; Anderson RC
1980 J Wildlife Dis 16 (3) July 363-365 Wa
Diplotriaena tricuspis in Corvus brachyrhynchos (air sacs), prevalence and intensity of infection, sex of parasite, age and sex of host: Essex County, southwestern Ontario

Age of host
Cechova L; Leifertova I; Lisa M
1981 Sborn Lekar 83 (1) 41-45 Wm
Entamoeba gingivalis, humans, incidence survey (by age and sex): Czechoslovakia

Age of host
Chakrabarti A et al
1981 Ann Trop Med and Parasitol 75 (3) June 353-357 Wa
Sarcoptes scabiei var. bubalis, human scabies from contact with infested water buffaloes, clinical symptoms, incidence, recovery rate of mites, occupations (animal attendants and milkmen), age and sex distribution, distribution of sites of lesions: Calcutta, India

Age of host
Chamorro-Mera C; Hurtado-Lopez M; Angel-Arango E
1979 Rev Interam Radiol 4 (2) Apr 63-73 Wm
Toxoplasma gondii, clinical, radiological, and pathological findings of 44 cases, intracranial calcification of diagnostic significance, mostly males and neonates affected

Age of host
Chaves FJZC et al
1977 Am J Gastroenterol 68 (2) Aug 134-139 Wm
E[ntamoeba] histolytica, assessment of clinical and pathological findings in 56 patients with hepatic abscesses, male black patients 20-39 years old were most frequently affected: Luanda University Hospital, Angola

Age of host
Chhabra MB; Gautam OP
1980 Equine Vet J 12 (3) July 146-148 Wa
Toxoplasma gondii antibodies in equids, prevalence detected by indirect haemagglutination test, steady increase with host age: north India

Age of host
Chhabra MB; Mahajan RC
[1980] Riv Parassitol Roma 39 (2-3) 1978 39-43 Issued Jan Wa
Toxoplasma gondii, sero-prevalence in Bubalus bubalis, according to age and sex of host

Age of host
Chiriboga J; de Leon D; Rodriguez-Frias J
1980 J Agric Univ Puerto Rico 64 (1) Jan 93-106
Wa
Fasciola hepatica, dairy cattle, infection rate, host age, seasonal distribution, snail surveillance, serum glutamic oxalacetic transaminase levels, transmission not year around, no effective control: Puerto Rico

Age of host
Chlebowsky HO; Zielke E
1980 Tropenmed u Parasitol 31 (3) Sept 339-344
Wa
Wuchereria bancrofti, Onchocerca volvulus, human, single or mixed infections, host age and sex, side effects observed during diethylcarbamazine treatment campaign: Liberia

Age of host
Chopra JS; Kaur U; Mahajan RC
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 518-520
Wa
Cysticercus cellulosae (Taenia solium), human, cysticercus haemagglutination test used to estimate probable incidence of seropositivity, almost equal in male and female patients, less in children than adults, did not appear to be related to duration of epilepsy

Age of host
Coffman CC
1972 Diss (South Dakota State Univ) 107 pp Ann Arbor Michigan Wa(DISS 72-33,332)
Geomylichus geomydis n. sp. from Geomys b. bursarius, rates of infestation by season, sex of host, and age of host, statistical analysis and comparison with 4 other major ectoparasite populations (parasite age & sex structures, total and mean population densities, mean seasonal percent), distribution and behavior on host body, observations on eggs, survival after removal from host, body weights, life cycle

Age of host
Collins WE et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1220-1222
Wa
Onchocerca volvulus, human, indirect fluorescent antibody test using fixed-tissue sections of adult worms as antigen, antibody responses in relation to host age, sex, presence or absence of microfilariae, and microfilarial density, application in epidemiological studies appears limited until level of false negative responses is markedly reduced: Guatemala

Age of host
Copland JW
1981 J Fish Dis 4 (3) May 231-242 Wa
Myxidium giardi, prevalence in wild and cultured Anguilla anguilla, description and distribution of trophozoites, first description of coelozoic trophozoite, apparent (host) age related pattern in organ location of histozoic trophozoite: England

Age of host
Cross JH; Basaca-Sevilla V
1981 Southeast Asian J Trop Med and Pub Health 12 (2) June 262-274 Wa
intestinal parasitic infections, Southeast Asian populations, prevalence by age and sex, fecal and serological survey: Philippine Islands and Indonesia

Age of host
Custer JW; Pence DB
1981 J Parasitol 67 (3) June 289-307 Wa
helminths of wild canids (Canis rufus, C. latrans, and their hybrids), prevalence, density, effect of hosts' age, sex, and taxonomic category, helminth species associations, sex ratio of heartworms and hookworms, host heart and spleen weights, geographical diversity, organizatión of species in helminth communities (importance values, multivariate analyses): Gulf Coastal prairies of Texas and Louisiana compared with other regions in North America

Age of host
Custer JW; Pence DB
1981 Vet Parasitol 8 (1) Feb 71-82 Wa
Dirofilaria immitis from Canis latrans, C. rufus gregoryi, and C. latrans x C. rufus gregoryi hybrids, prevalence and intensity, host age and sex, parasite sex ratio and localization, pathological responses, wild canids from this area are regarded as natural definitive hosts and primary reservoirs for heartworms, appears that this infection is important factor in morbidity and mortality of these hosts: Gulf coastal prairies of Texas and Louisiana, U.S.A.

Age of host
Cutler D et al
1974 Am J Gastroenterol 62 (4) Oct 345-349 Wm
necrotic amebic colitis, clinical diagnostic symptoms, surgical and autopsy findings, more frequent illness in adults than in children, high rate of mortality in adults

Age of host
Dada BJO
1980 J Helminth 54 (4) Dec 281-286 Wa
taeniasis, cysticercosis, hydatidosis, human, prevalence based on retrospective analysis of hospital records, distribution of taeniasis by host age and sex, hydatid disease recorded only once and cysticercosis not recorded at all: Nigeria

Age of host
Dajani YF; Khalaf FH
1981 Ann Trop Med and Parasitol 75 (2) Apr 175-179 Wa
hydatidosis, Cysticercus tenuicollis, sheep and goats, prevalence and intensity, host age, cyst localization, size, and fertility, one goat had multilocular cysts which may have been Echinococcus multilocularis; Taenia spp. including T. hydatigena, E. granulosus, prevalence in stray dogs: Jordan

Age of host
Dar MS et al
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 303-306 Wa
Oestrus ovis, human ophthalmomyiasis, incidence, seasonal variation, host age and sex distribution, typical case history: Benghazi area, Eastern Libya

Age of host
Davidson WR et al
1980 J Wildlife Dis 16 (4) Oct 499-508 Wa
Haemonchus contortus in Odocoileus virginianus, monthly (Oct.-Mar.) prevalence and intensity of infection in fawns and adults, haemonchosis /malnutrition syndrome, geographic distribution, worm recovery rates, prepatent periods, and egg production in immunized vs. nonimmunized deer exposed to challenge suggested a naturally-acquired immunity: Georgia; South Carolina; Florida

Age of host
Davidson WR; Kellogg FE; Doster GL
1980 J Wildlife Dis 16 (3) July 367-375 Wa
helminths, Colinus virginianus, monthly prevalences and intensities, age of host: Leon County, Florida

Age of host
Dawkins HJS et al
1980 Internat J Parasitol 10 (2) Apr 125-129 Wa
Strongyloides ratti, 11 inbred strains of mice and 1 outbred strain, susceptibility to infection, effect of host age, host sex, dose, and route of injection, resistance to challenge infection; C57Bl/6 and CBA mice may provide useful model hosts

Age of host
Dedet JP et al
1979 Bull Soc Path Exot 72 (3) May-June 245-253 Wa
cutaneous leishmaniasis, humans, epidemiology, occurrence by age groups, pathology: focus in Thies area, Senegal, West Africa

Age of host
Dedet JP et al
1979 Bull Soc Path Exot 72 (5-6) Sept-Dec 451-461 Wa
leishmaniasis, human cutaneous infections, survey, epidemiologic indices (age, skin tests, yearly variations): region de Thies, Senegal

Age of host
Deelder AM et al
1980 Am J Trop Med and Hyg 29 (3) May 401-410 Wa
Schistosoma mansoni, children vs. adults, applicability of 7 different antigen preparations in enzyme-linked immunosorbent assay: Surinam

Age of host
Degremont A; Weiss N
1980 Acta Trop 37 (4) Suppl 11 Dec 56-62 Wa
schistosomiasis, filariasis, amoebiasis, school children, serological survey, host age: Ivory Coast

Age of host
Dick TA; Leonard RD
1979 J Wildlife Dis 15 (3) July 409-412 Wa
helminths, Martes pennanti, prevalence, age of host: Manitoba, Canada

Age of host
Dick TA; Silver BB
1980 J Parasitol 66 (3) June 472-477 Wa
Trichinella spiralis, intestinal distribution in mature and suckling rats after oral infection and after surgical inoculation into intestine

**Age of host**
**Djibrilla Kaou B et al**
**1979 Bull Soc Path Exot 72 (5-6) Sept-Dec 442-450 Wa**
**leishmaniasis, human cutaneous infections, epidemiological aspects (age, sex, seasonal distribution, localization of lesions): Nord Cameroun**

Age of host
Domingo EO et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 858-867 Wa
Schistosoma japonicum, human, prevalence, intensity, morbidity, host age and sex: Leyte, Philippines

Age of host
Doster GL; Wilson N; Kellogg FE
1980 J Wildlife Dis 16 (4) Oct 515-520 Wa
ectoparasites, Colinus virginianus, prevalence, geographic location, host age, and number of quail infested with each species: southeastern United States

Age of host
Draeger N; Paine GD
1980 J Wildlife Dis 16 (4) Oct 521-524 Wa
Demodex cafferi in Syncerus caffer caffer (skin), sex and age prevalence, histopathology: Savuti, Chobe National Park, Botswana; Khwai, Ngamiland, Botswana

Age of host
Dutta SN; Diesfeld HJ
1978 Indian J Med Research 67 Apr 553-561 Wa
W[uchereria] bancrofti, human, indirect immunofluorescent test using Dipetalonema viteae antigen, titres in relation to microfilarial density and host age and sex, comparison of subjects from non-endemic area with those from endemic area around Dhanbad coalmines

**Age of host**
**Dyer WG; Brandon RA; Price RL**
**1980 Proc Helminth Soc Washington 47 (1) Jan 95-99 Issued Feb 15 Wa**
**gastrointestinal helminths of Desmognathus fuscus, relationship of prevalence and intensity to age and sex of host: southern Illinois**

**Age of host**
**Ejezie GC**
**1981 Acta Trop 38 (1) Mar 79-84 Wa**
**parasitic diseases of school children, prevalence in 2 age groups: Lagos State, Nigeria**

**Age of host**
**Ejezie GC; Ade-Serrano MA**
**1981 Trop and Geogr Med 33 (2) June 175-180 Wa**
**Schistosoma haematobium, primary school children, study on prevalence, intensity, and morbidity of infection (physical status, age, school performance, school attendance), concluded that only minimal morbidity is associated with infection in the Badagry area: Nigeria**

Age of host
Eling WMC
1980 Exper Parasitol 49 (1) Feb 89-96 Wa
Plasmodium berghei, mice, premunition, sterile immunity, and loss of immunity, host age differences

Age of host
El Khamlichi A et al
1980 Maroc Med [n s] 2 (1) Mar 85-90 Wm
echinococcosis, ataxic forms of cerebral hydatid cysts, affect children and mostly female children, case reviews, clinical reviews

Age of host
El-Shabrawy MN; Imam EA
1979 Vet Med J Giza 26 (26) 1978 207-214 Issued Aug 8 Wa
intestinal protozoa (with some illustrations and descriptions), dogs, incidence higher in old vs. young and males vs. females: Cairo, Giza and their suburbs, Egypt

**Age of host**
**Erber M; Geisel O**
**1981 Ztschr Parasitenk 65 (3) 283-291 Wa**
**Sarcocystis equicanis, S. fayeri, horses (muscles), abattoir survey, prevalence by host age group, isolation and differentiation of sarcocysts in fresh preparations and by histopathological examination, morphology, experimental infection in dogs, ponies subsequently infected showed no clinical signs but showed different developmental stages of both species of sarcocysts in muscles**

Age of host
Eutrope R; Juminer B
1978 Bull Soc Path Exot 71 (3) May-June 275-279 Wa
intestinal parasites, children, fecal survey, age distribution: laboratoire du Centre Hospitalier de Cayenne, Guyane

**Age of host**
**Evans NA; Whitfield PJ; Dobson AP**
**1981 Parasitology 83 (1) Aug 1-12 Wa**
**Echinoparyphium recurvatum metacercarial cysts in 7 species of mollusc, prevalence and intensity, frequency distributions within host populations, different host size classes, relative contribution of each host species to flow of parasites through community: Harting Pond, West Sussex**

Age of host
Ewen AB; Mukerji MK
1980 J Invert Path 35 (3) May 295-303 Wa
Nosema locustae, field trial evaluation as grasshopper control agent, infectivity, host age factors, effect on populations and reproductive potential: Saskatchewan, Canada

**Age of host**
**Eysker M**
**1981 Research Vet Sc 30 (1) Jan 62-65 Wa**
**Haemonchus contortus, Ostertagia circumcincta, inhibited development, conditioning effect of standard culture conditions at different times of year in lambs of increasing age, effect of prolonging culture period to 12 day period, effect of storage of infective larvae at 15°C or 16°C and 4°C**

**Age of host**
**Fahy E**
**1980 J Fish Biol 16 (1) Jan 99-104 Wa**
**Eubothrium crassum in migratory Salmo trutta, incidence, worm burden, worm length, host age: off the Irish coast of Irish Sea**

Age of host
Fannaly MT
1980 Proc Louisiana Acad Sc 43 Dec 26-29 Wa
Olencira praegustator on Brevoortia patronus, life history, host lengths, parasite lengths, parasite sex distribution, effect on host: Lake Pontchartrain, Louisiana

Age of host
Felgner P et al
1981 Tropenmed u Parasitol 32 (3) Sept 134-140 Wa
Trypanosoma brucei gambiense, human, prevalence by age and sex, parasitological examination (hematocrit centrifugation technique, subinoculation into Mastomys natalensis, miniature anion exchange centrifugation method), immunodiagnostic examination (enzyme-linked immunosorbent assay, indirect immunofluorescent test, radial immunodiffusion for IgM concentrations): Ivory Coast; Upper Volta

Age of host
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1979 Acta Amazonica 9 (3) Sept 471-479 Wa
Plasmodium falciparum, P. vivax, humans, incidence by age, sex, month, and year: Amazonas, Brasil

Age of host
Ferretti G; Gabrielle F; Palmas C
1981 Internat J Parasitol 11 (6) Dec 425-430 Wa
Hymenolepis nana, development of human and mouse strains in mice of different ages and strains, "data leave little room for maintaining the diversity of H. fraterna and H. nana"

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Ferrucci M; Dall'Ara G
1980 Ann Sclavo 22 (4) July-Aug 606-623 Wm
toxoplasmosis and rubella, antibody prevalence survey comparing prepuberal girls and adult fecund women, epidemiologic and prophylactic applications: Ferrara, Italy

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Fleming WJ; Georgi JR; Caslick JW
1979 Proc Helminth Soc Washington 46 (1) Jan 115-127 Issued Mar 14 Wa
parasites of Marmota monax, incidence, seasonal occurrence related to host activities, effect of host hibernation on parasite populations, some host age and specificity studies: Tompkins County, New York

Age of host
Foba-Pagou R et al
1980 Bull Soc Path Exot 73 (2) Mar-Apr 171-178 Wa
intestinal helminths, humans, prevalence survey (by age and sex) before and after mebendazole therapy, results of meat inspection at local abbatoirs for presence of Cysticercus bovis: Cameroun

Age of host
Frame AD et al
1980 J Parasitol 66 (4) Aug 698-699 Wa
Fasciola hepatica, dairy cattle, high prevalence, oldest cows had highest rate of infection: Puerto Rico

Age of host
Frenkel JK; Ruiz A
1980 Am J Trop Med and Hyg 29 (6) Nov 1167-1180 Wa
Toxoplasma gondii, human, prevalence and distribution of antibody titers by age; antibody prevalence and cat contact; correlation of antibody status with preparation of meat and eggs; correlation with cat and soil contact; antibody prevalence by economic status, residence, and cat contact; type of kitchen floor and cat contact; occupation, sex, and antibody prevalence; animal contact: Costa Rica

Age of host
Frenkel JK; Ruiz A
1981 Am J Epidemiol 113 (3) Mar 254-269 Wa
Toxoplasma antibody prevalence in humans, cats, and intermediate hosts, chain of transmission (environmental factors, rural and urban living, soil contact, human association with cats, cat density, and host age): Costa Rica

Age of host
Frenzel A et al
1979 Rev Med Chile 107 (4) Apr 343-351 Wm
intestinal parasites, young children, relationship to infections in persons preparing the children's food and in sanitary conditions in their homes: Chile

Age of host
Fried B; Gainsburg DM
1979 Proc Helminth Soc Washington 46 (2) July 277-278 Issued Aug 14 Wa
Zygocotyle lunata, domestic chicks (exper.), reinfection occurred after second exposure; age resistance to infection indicated

Age of host
Gabaldon A; Ulloa G
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 501-507 Wa
avian malaria, high parasite rates in nestlings, low rates in adult birds, high densities and sporozoite rates of local vector Aedeomyia squamipennis and increasing parasite rates in nestlings with age suggest great intensity of transmission, situation is regarded as form of holoendemicity which is probably cause of population control, possibility of parasite hybridization: Venezuela

Age of host
Ganley JP; Comstock GW
1980 Am J Epidemiol 111 (2) Feb 238-246 Wa
Toxoplasma gondii, immunofluorescent dye titers in humans, positive association with increasing age, possession of farm animals, and residence in older house, negative association with possession of cats: Washington County, Maryland

Age of host
Gentilini M et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 455-460 Wm
imported malaria, human, 443 cases from 1970 to 1979, annual and monthly distribution, species of plasmodia, nationality, origin of infection, host age and sex, incubation period, signs and symptoms, diagnosis, circumstances of appearance, treatment: hospital in Paris, France

**Age of host**
**Ghorbani M; Edrissian GH; Afshar A**
**1981 Tr Roy Soc Trop Med and Hyg 75 (1) 38-40 Wa**
**toxoplasmosis, human, distribution of antibodies by age group, sex, and ethnic group: mountainous regions of north-west and south-west parts of Iran**

Age of host
Gingrich RE
1980 Vet Parasitol 7 (3) Nov 243-254 Wa
Hypoderma lineatum, cattle, innate and acquired resistance, effects of host age, previous infestation, vitamin A deficiency, route and site of infestation

Age of host
Giuliani G et al
1978 Ann Sclavo 20 (2) Mar-Apr 206-216 Wm
Toxoplasma gondii, humans, distribution of antibodies in relation to age, survey using Sabin-Feldman dye test: Turin, Italy

Age of host
Glenn CL
1980 Canad J Zool 58 (2) Feb 252-257 Wa
parasitic infections in Hiodon tergisus, prevalence and intensity by season and host age: Assiniboine River, Brandon, Manitoba

Age of host
Glowniak C; Kowalska G
1979 Wiadom Lekar 32 (17) Sept 1 1205-1212 Wm
Lamblia intestinalis and intestinal helminths, children up to 1 year of age, incidençe survey (by age and sex): Province of Rzeszow, Poland

**Age of host**
**Goddard MJ; Jordan P**
**1980 Tr Roy Soc Trop Med and Hyg 74 (2) 185-191 Wa**
**Schistosoma mansoni, human, fluke life-span in hosts of different ages, statistical analysis: St. Lucia, West Indies**

Age of host
Gordon MJ; Swan BK; Paterson CG
1979 Canad J Zool 57 (9) Sept 1748-1756 Wa
Unionicola formosa in Anodonta cataracta, life history, seasonal variations, incidence of infection and host loading increases with host length, no selectivity for host sex, parasite sex ratio and male-female associations

Age of host
Grainger CR
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 296-299 Wa
Pediculus humanus capitis, children, incidence in relation to age, sex, urban vs. rural areas, and social background: Mahe, Seychelles

**Age of host**
**Grzywinski L; Poznanski W**
**1981 Med Wet 37 (1) Jan 15-16 Wa**
**Oesophagostomum dentatum, pigs given thiabendazole at various ages, differences in body weight gains**

Age of host
Gusev AV
1976 Indian J Helminth 25-26 1973-1974 241 pp Issued Apr 7 Wa
Monogenoidea of freshwater fish, systematics, morphology, evolution, host age and size factors, attachment to host, zoogeographic analysis of Indian and other faunas

Age of host
Guth BD et al
1979 Proc Helminth Soc Washington 46 (1) Jan 58-63 Issued Mar 14 Wa
schistosomes in birds (feces), causative agents of swimmer's itch, prevalence, correlation with host age (hatching-year vs. after hatching-year): lower Michigan

Age of host
Haensel R; Manuwald O
1980 Ztschr Ges Hyg u Grenzgebiete 26 (11) Nov 821-824 Wm
Pediculus capitis, schoolchildren, seasonal incidence as related to climatic differences and host age: county of Suhl

**Age of host**
**Hall CA; Martin ICA; McDonell PA**
**1980 Research Vet Sc 29 (2) Sept 181-185 Wa**
**Lucilia cuprina, merino sheep, method described for showing differences in moisture content of wool according to anatomical site, age, sex, strain of merino, and lesions of active flystrike, incidence of natural flystrike recorded and related to higher levels of moisture content**

**Age of host**
**Haller L**
**1980 Acta Trop 37 (4) Suppl 11 Dec 41-55 Wa**
**parasites of school children, prevalence and intensity, 4 age groups: Ivory Coast**

**Age of host**
**Haq N; Reisen WK; Aslamkhan M**
**1981 J Invert Path 37 (3) May 236-242 Wa**
**Nosema algerae in Anopheles stephensi (exper.), effects of different spore dosages on horizontal life table attributes of mosquitoes reared under controlled insectary conditions, implications for biological control of this malaria vector mosquito**

**Age of host**
**Harrison LJS; Sewell MMH**
**1981 Vet Immunol and Immunopath 2 (1) Feb 67-73 Wa**
**Taenia saginata, 3-12 month old calves and neonatal calves (exper.), serological response, comparison of enzyme linked immunosorbent assay and indirect haemagglutination technique**

Age of host
Hashemi-Nasab A; Zadeh-Shirazi H
1980 J Trop Med and Hyg 83 (3) June 119-122 Wa
visceral leishmaniasis (kala-azar), 130 cases, age and sex distribution, clinical and haematological data, mortality rate, complications, response to therapy, use of immunofluorescence for diagnosis: Fars Province, Iran

Age of host
Hassan HA; Ezzat W; Lebshtein A
1979 J Egypt Pub Health Ass 54 (1-2) 65-75 Wm
scabies, primary school children, increasing incidence, epidemiological survey shows that those most affected are older boys and those from overcrowded homes that lack cleanliness: Cairo, Egypt

Age of host
Healing TD
1981 Parasitology 83 (1) Aug 179-189 Wa
blood parasites in small rodents, prevalence in relation to year, season, host age, and host sex, concurrent infections: British Isles

Age of host
Herlich H
1980 Am J Vet Research 41 (2) Feb 259-261 Wa
Ostertagia ostertagi, cattle, infection and reinfection in different age groups

Age of host
Herrer A; Christensen HA
1980 Am J Trop Med and Hyg 29 (6) Nov 1196-1200 Wa
Leishmania braziliensis in Choloepus hoffmanni (skin, blood, liver, spleen, bone marrow, lung tissues) in relation to host age, nature and course of infection, improved detection of natural infections resulting from increased tissue sampling in culture techniques, considered to be principal reservoir host: Panama

Age of host
Hiatt RA et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1228-1240 Wa
Schistosoma mansoni, prospective community-based study of infection after interruption of transmission by nonchemotherapeutic control measures, snail occurrence and infection rates, prevalence and intensity of human infections by age and sex, incidence of new infections, water-contact behavior, socioeconomic factors, results show slow decline in prevalence and intensity despite low rate of transmission: Boqueron, Puerto Rico

Age of host
Hillyer GV; Lluberes R; Ramirez Ronda C
1981 Bol Asoc Med Puerto Rico 73 (2) Feb 50-55 Wm
Schistosoma mansoni, humans, incidence survey (by age and sex) using the circumoval precipitin test, findings suggest that infection is more widespread than previously reported: Puerto Rico

Age of host
Hinaidy HK
1981 Wien Tierarztl Monatsschr 68 (2) Feb 52-57 Wa
bovine babesiasis, incidence and prevalence by month of year and host age, geographic distribution, results of field survey and data obtained from veterinary practitioners and authorities: Osterreich

Age of host
Hinaidy HK; Supperer R
1979 Wien Tierarztl Monatsschr 66 (10) Oct 281-284 Wa
Sarcocystis suicanis, S. suihominis, pigs, incidence, sows more frequently infected than young pigs, mixed infections: Schlachthof St. Marx, Wien, Osterreich

Age of host
Hira PR; Patel BG
1980 Trop and Geogr Med 32 (1) Mar 23-29 Wa
Strongyloides fuelleborni, humans, diagnosis in fecal material, culture to free living stage, prevalence compared with S. stercoralis, sex and age groups of patients, possibly endemic in man rather than zoonotic: Zambia

Age of host
Hoffman SL et al
1981 Am J Trop Med and Hyg 30 (2) Mar 340-343 Wa
intestinal parasites in Indochinese immigrants, Cambodians and Laotians had higher rate of multiple parasites than Vietnamese, Giardia lamblia was more prevalent in children: clinics in San Diego, California

Age of host
Hon LT; Forrester DJ; Williams LE jr
1978 Proc Helminth Soc Washington 45 (2) July 211-218 Issued Aug 30 Wa
helminths of Meleagris gallopavo osceola, host age at acquisition, prevalence and intensity, patterns of seasonal occurrence, factors affecting these patterns (host age; food habits; climatic conditions; helminth life cycles and longevity): Lykes Fisheating Creek Wildlife Management Area and Refuge, southern Florida

Age of host
Hsu SYL; Hsu HF; Burmeister LF
1981 Exper Parasitol 52 (1) Aug 91-104 Wa
Schistosoma mansoni, mice, vaccination with highly x-irradiated cercariae, bioengineering method used to improve immunization effect, age susceptibility to infection and duration of acquired immunity also studied

Age of host
Hugonnet L; Euzeby J
1980 Bull Acad Vet France 133 n s 53 (1) Jan-Mar 77-85 Wa
parasites of Rupicapra rupicapra, degree of infestation correlated with host age: reserve nationale des Bauges (Savoie)

Age of host
Huldt G; Lagercrantz R; Sheehe PR
1979 Acta Paediat Scand 68 (5) Sept 745-749 Wm
Toxoplasma, epidemiology, especially in children: Scandinavia

Age of host
Hurley JC; Day KP; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (3) June 231-240 Wa
Nematospiroides dubius, accelerated rejection of intestinal worms in mice sensitized with adult worms or worm products by various routes, host age, sex, and strain as factors; some slight degree of cross-sensitization with Nippostrongylus brasiliensis

Age of host
Hussein HS
1980 Ann Trop Med and Parasitol 74 (5) Oct 531-539 Wa
Ixodes trianguliceps on small mammals, seasonal variations in infestation rate related to temperature, infestation rate on male, female, and juvenile hosts, natural and experimental transmission of Babesia microti, I. canisuga experimentally transmitted B. microti but less efficiently: north-western England

Age of host
Ikeda T et al
[1980] J Parasitol 65 (6) Dec 1979 855-861 Issued Apr 2 Wa
Onchocerca volvulus, human, evaluation of indirect hemagglutination test for serodiagnostic purposes and sero-epidemiological analysis, age and sex distribution of IHA positives in areas of high, medium, and low endemicity: Guatemala

Age of host
Islam AWMS
1980 Vet Parasitol 7 (2) Sept 103-107 Wa
hydatid disease, goats, incidence in hosts of different ages and in different organs, severity of infection in liver and lungs, comparative rate of different types of cysts (fertile, sterile, calcified, suppurative, undeveloped): Bangladesh

Age of host
Issoufa H; Monekosso G; Ripert C
1979 Bull Soc Path Exot 72 (2) Mar-Apr 135-144 Wa
dracontiasis, humans, epidemiology, incidence by age and sex, seasonal distribution, body localizations, worm burden: endemic area of Nord-Cameroun

Age of host
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1981 J Wildlife Dis 17 (1) Jan 79-87 Wa
Cuterebra emasculator myiasis in Sciurus spp., seasonal prevalence, sex and age of host, larval development sites, host habitats, parasite fecundity under laboratory conditions: Mississippi

Age of host
Jacobson HA; McGinnes BS; Catts EP
1978 J Wildlife Dis 14 (1) Jan 56-66 Wa
Cuterebra myiasis, cottontail rabbits, seasonal occurrence, host age and sex prevalence, larval development sites; laboratory and field observations on life history and biology of C. buccata, sex ratio for reared flies: Virginia

Age of host
Jancloes MF; Cornet P
1980 Rev Epidemiol et San Pub 28 (1) Apr 30 89-103 Wm
intestinal nematodes, villagers in rural areas, extensive epidemiological survey to ascertain incidence by age and sex prior to launching an extensive control campaign: Zaire

Age of host
Janusz J
1979 Acta Ichthyol et Piscat 9 (2) 37-54 Wa
Clavella adunca on Gadus morhua, incidence, intensity, distribution, site of attachment, body measurements, host age and sex: North Atlantic waters

Age of host
Jimenez-Albarran M; Guevara Pozo D
1977 Rev Iber Parasitol 37 (3-4) July-Dec 355-363 Wa
Fasciola hepatica in Lymnaea truncatula (exper.), age when most susceptible to infection, effect of host age on emission of cercariae

Age of host
Joesoef A; Dennis DT
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 43-47 Wa
intestinal and blood parasites of man, prevalence by host age and sex: Alor Island in East Nusa Tenggara Islands of Indonesia

Age of host
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1980 J Hyg Cambridge 84 (2) Apr 315-320 Wa
Toxoplasma gondii, humans, age-sex distribution of antibodies, indirect immunofluorescence: South Australia

Age of host
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1979 Tr Indian Soc Desert Technol and Univ Cent Desert Studies 4 (2) July 79-83 Wa
Dracunculus medinensis, humans, epidemiologic survey in 18 villages, incidence by sex, age, and caste of host, duration of infection, water supply as source of contamination: Jodhpur District, Rajasthan

Age of host
Jordan P; Bartholomew RK; Peters PAS
1981 Ann Trop Med and Parasitol 75 (1) Feb 35-40 Wa
Schistosoma mansoni, human, community study of quantitative egg excretion assessed by Bell vs. Kato techniques, prevalence and intensity by host age groups: St. Lucia

Age of host
Joseph A et al
1979 Bull Soc Path Exot 72 (1) Jan-Feb 40-50 Wa
Onchocerca volvulus and other filariasis (particularly Dipetalonema perstans), humans, survey (by age) of clinical and parasitological parameters affecting host biochemistry (serum proteins, immunoglobulins, vitamins, minerals): Cameroun

Age of host
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1980 Japan J Exper Med 50 (5) Oct 375-382 Wa
Schistosoma japonicum, prevalence in Rattus rattus mindanensis by month, host age, and host sex, distribution of eggs in various organs, COP reaction of sera, prevalence of cercariae in Oncomelania quadrasi by month: Dagami, Leyte, Philippines

Age of host
Kasai Y et al
1980 Ann Surg 191 (2) Feb 145-152 Wm
alveolar echinococcosis, human liver, clinical manifestations and proposed staging, diagnostic procedures, surgical aspects and outcome, epidemiological considerations: Japan

Age of host
Kennedy CR
1981 J Fish Biol 19 (2) Aug 221-236 Wa
eyeflukes in Perca fluviatilis, long term studies on population biology: Diplostomum gasterostei, changes in infrapopulation size (monthly and annual changes in infection levels in all perch and in young perch only, changes in frequency distribution); Tylodelphys clavata, changes in infrapopulation size (monthly and annual changes in infection levels in all perch and in young perch only); interactions between species; Tylodelphys podicipina, changes in infrapopulation size: Slapton Ley, Devon

Age of host
Kennedy CR
1981 Parasitology 82 (2) Apr 245-255 Wa
Tylodelphys podicipina, introduction, establishment, and population biology in perch in small lake, changes in prevalence, intensity, and dispersion of infection in each year class of host over period of 2 years, no evidence of parasite-induced host mortality: Britain

Age of host
Kennedy CR; Burrough RJ
1981 J Fish Biol 19 (1) July 105-126 Wa
Ligula intestinalis in Rutilus rutilus, introduction, establishment, and subsequent history of parasite population: origin of infection; distribution of infections in relation to size and age of fish; seasonal and annual changes in infection levels and within Ligula population (prevalence and intensity of infection, growth of parasite, index of parasitization, frequency distribution): Slapton Ley, Devon, U.K.

Age of host
Kepka O; Skofitsch G
1979 Mitt Naturw Ver Steiermark 109 283-307 Wa
Frenkelia glareoli in Clethrionomys glareolus, intensity and extensity of infection dependent upon host age, mixed infection with Toxoplasma gondii rare and has either lethal or immunizing effect: Deutschland; Osterreich

Age of host
Khan RA; Murphy J; Taylor D
1980 Canad J Fish and Aquatic Sc 37 (10) Oct 1467-1475 Wa
Trypanosoma murmanensis, prevalence in Gadus morhua in relation to stocks, effect of sex and age of host on prevalence: Newfoundland area

Age of host
Killion LL; Desowitz RS; Wiebenga NH
1981 Hawaii Med J 40 (7) 178-179 Wm
Giardia lamblia, humans, epidemiological survey due to increased rate of clinical enteric parasitic infections, Caucasian children between 1 and 9 most heavily infected: Maui, Hawaii

Age of host
Kim DC
1974 Yonsei Rep Trop Med 5 (1) Nov 3-44 Wm
Clonorchis sinensis, humans, vectors, reservoir hosts, extensive ecological and prevalence survey in high and low endemicity areas (seasonal distribution, sex and age factors, transmission factors): Korea

Age of host
Kim DC; Lee OY; Lee KW
1977 Yonsei Rep Trop Med 8 (1) Nov 9-22 Wm
Brugia malayi, humans, survey of endemicity in inland areas, age and sex factors, prevalence, pathology: Korea, Yongju area

Age of host
Kim KC; Haas VL; Keyes MC
1980 J Wildlife Dis 16 (1) Jan 45-51 Wa
Orthohalarachne attenuata and O. diminuata in Callorhinus ursinus (respiratory passages), infestation rate, pathology, population densities and structure, microhabitat preference, sex and age of host: St. Paul Island, Alaska

Age of host
Kitron UD
1980 Parasitology 81 (2) Oct 235-249 Wa
Gammaridacarus orchestoideae on Orchestoidea corniculata, prevalence and intensity, seasonal variation, host sex, host size (age), host moult stage, reproductive condition of female hosts, frequency distribution of number of parasites per host, mean crowding index, patchiness, index of host mortality, field and laboratory observations: California

Age of host
Knight R
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 433-436 Wa
giardiasis, human, epidemiology and transmission, host age, comparison with amoebiasis, review

Age of host
Knight R et al
1979 Ann Trop Med and Parasitol 73 (6) Dec 563-576 Wa
Wuchereria bancrofti, human, clinical findings, microfilaria counts, filarial serology, and filarial skin tests for different age groups and each sex; prevalence of non-filarial parasites, various serological parameters, mean IgE levels, and mean eosinophil counts in different age groups: Middle Fly River region, Western Papua New Guinea

Age of host
Knight R; Merrett TG
1981 Ann Trop Med and Parasitol 75 (3) June 299-314 Wa
Necator americanus, human, prevalence and intensity by age and sex, seasonal changes, morbidity (asthma, growth parameters, haemoglobin), total IgE levels, other parasites: The Gambia

Age of host
Knight SA; Janovy J jr; Current WL
1980 J Parasitol 66 (5) Oct 806-810 Wa
Myxosoma funduli, overdispersed distribution among Fundulus kansae population; monthly infection prevalence and monthly host size class distribution; distribution on individual gill bars and % infected gill bars; prevalence, host size distribution, and host sex ratio at various collection sites with different physical characteristics: Platte River system, Nebraska

Age of host
Ko RC et al
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 351-354 Wa
Toxoplasma gondii, prevalence of antibodies in 2499 Chinese inhabitants in relation to age, sex, and rural vs. city dwellers, possible reasons for low prevalence: Hong Kong

Age of host
Koura M et al
1981 Ann Trop Med and Parasitol 75 (1) Feb 53-61 Wa
Schistosoma haematobium, human, prevalence and intensity by host age and sex: Somali Democratic Republic

Age of host
Krishna Das KV
1980 J Ass Physicians India 28 (12) Dec 521-533 Wm
nutritional anaemias, includes helminths as a major cause in children (survey by age groups): India

Age of host
Kulkarni SW et al
1978 Indian J Med Research 68 Oct 583-591 Wa
survey, prevalence and patterns of enteric parasitosis, populations of 7 villages near Nagpur, Maharashtra, India

Age of host
Kuris AM
1980 Internat J Parasitol 10 (4) Aug 303-308 Wa
Echinostoma liei, effect of exposure to miracidia on growth and survival of young (1-2mm) vs. 4-6mm Biomphlaria glabrata, implications for use of E. liei for biological control of Schistosoma mansoni and its intermediate host

Age of host
Kuris AM; Poinar GO; Hess RT
1980 Parasitology 80 (2) Apr 211-232 Wa
Portunion conformis in Hemigrapsus oregonensis and H. nudus, parasite mortality in relation to season, geographic area, multiple infection, host size, parasite developmental stage, host sex, and host species; recovery of female host reproductive capability; morphology of host response: Pacific coast of North America

Age of host
Kuris AM; Warren J
1980 J Parasitol 66 (4) Aug 630-635 Wa
Echinostoma liei, mortality of previously uninfected second intermediate host Biomphalaria glabrata of different ages following exposure to cercarial penetration, relative role of cercarial penetration vs. presence of encysted metacercariae in pericardial sac, observations on cercarial infectivity and host searching; results suggest echinostome penetration and encystment may be unlikely to contribute much to population control of these snails in nature

Age of host
Kutsumi H et al
1980 Hokkaido Igaku Zasshi (Hokkaido J Med Sc) 55 (2) Mar 89-103 Wm
[Schistosoma] japonica, diagnosis, inhabitants of an endemic area tested using the immediate intradermal reaction, epidemiologic study based on the analysis of these reactions, significance of age, sex, contents of antigen used, variations in sections of survey area, suggested disease control measures and vector control measures: Yamanashi Prefecture, Japan

Age of host
Kvasz L
1979 Bratisl Lekar Listy 72 (5) Nov 597-600 Wm
Giardia lamblia, incidence in families of infected subjects and in children in residential homes (according to age groups), recommendations for prophylaxis and control to prevent spread or reinfection

Age of host
Ladds PW; Copeman DB; Goddard ME
1979 Austral Vet J 55 (9) Sept 445-446 Wa
Onchocerca gutturosa, cattle (nuchal ligament), occurrence in relation to breed, sex, and age of host: abattoirs in northern, central, and eastern Australia

Age of host
Ladouceur CA; Kazacos KR
1981 J Am Vet Med Ass 178 (3) Feb 1 301-302 Wa
Thelazia lacrymalis, horses (eyes), percent infected by age, sex, and breed, localization in eyes: Indiana

Age of host
Ladouceur CA; Kazacos KR
1981 J Am Vet Med Ass 178 (4) Feb 15 385-387 Wa
Thelazia gulosa and T. skrjabini in cattle (eyes), percent infection, host age distribution, localization in eyes: Indiana

Age of host
Landolfo S; et al
1980 J Immunol 124 (2) Feb 508-514 Wm
Trichomonas vaginalis, natural cell-mediated cytotoxicity against this parasite in the mouse, tissue, host strain, and host age distribution, some characteristics of effector cells

Age of host
Lanotte G; Rioux JA; Pratlong F
1980 Ann Parasitol 55 (6) Nov-Dec 635-643 Wa
visceral leishmaniasis in children vs. adults, bioclinical analysis, indirect fluorescent antibody rates; mucosal leishmaniasis, report of 2 cases: Cevennes, France

Age of host
Larbaoui D; Alloula R
1979 Tunisie Med 57 (6) Nov-Dec 318-326 Wm
echinococcosis, humans, results of 2 retrospective epidemiological surveys conducted over a 10-year period, incidence by age and sex: Algeria

Age of host
Lawrence DN et al
1980 Am J Trop Med and Hyg 29 (4) July 530-537 Wa
intestinal parasitoses of Amerindians in newly contacted vs. acculturating villages, prevalence, no sex-related differences, average number of parasite species per person by age: Brazil; Venezuela

Age of host
Leader-Williams N
1980 Vet Rec 107 (17) Oct 25 393-395 Wa
strongylid eggs, Rangifer tarandus, seasonal patterns, host age: sub-Antarctic island of South Georgia

Age of host
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1981 J Helminth 55 (2) June 149-154 Wa
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Age of host
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Age of host
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Age of host
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Age of host
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Age of host
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Age of host
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Caligus minimus, adults and larvae on Dicentrarchus labrax, site of attachment on host, incidence, intensity, and dispersal of infections, host size, parasite sex ratio, seasonal and/or annual fluctuations, temperature and salinity conditions: Bardawil Lagoon

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1979 Rev Saude Pub S Paulo 13 (4) Dec 341-347 Wm
[Schistosoma] mansoni, new endemic focus, epidemiologic survey, age and sex factors: Sao Paulo, Brasil

Age of host
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Age of host
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Age of host
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Age of host
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1980 J Fish Biol 16 (6) June 669-683 Wa
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Age of host
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1980 Am J Trop Med and Hyg 29 (3) May 416-425 Wa
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Age of host
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Age of host
Puga S et al
1980 Rev Med Chile 108 (7) July 608-611 Wm
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Age of host
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1980 Ann Trop Med and Parasitol 74 (6) Dec 597-613 Wa
Schistosoma haematobium, human, prevalence and intensity, host age and sex, haematuria, proteinuria, renal function, micturition disturbance, potential public health importance, recommendation for control based on rapid identification of intense infection and selective chemotherapy with single dose metrifonate-niridazole combination: northern Nigeria

Age of host
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1980 Southeast Asian J Trop Med and Pub Health 11 (3) Sept 324-327 Wa
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Age of host
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1979 Bull Soc Path Exot 72 (2) Mar-Apr 118-124 Wa
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Age of host
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Age of host
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Age of host
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Age of host
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1979 Bol Chileno Parasitol 34 (3-4) July-Dec 53-58 Wa
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Age of host
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metazoan parasites of Boops boops, localization, prevalence in relation to host size, abundance, mixed infections: Golfe du Lion

Age of host
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1979 Afrique Med (166) 18 Jan 13-16 Wm
Schistosoma haematobium, humans, clinical signs, distribution by host age and sex, diagnostic value of different signs: Sahel voltaique

Age of host
Richard-Lenoble D et al
1980 Bull Soc Path Exot 73 (2) Mar-Apr 192-199 Wa
Loa loa, Dipetalonema perstans, human, survey, prevalence (by age and sex) and intensity: Gabon

Age of host
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Age of host
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Age of host
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Age of host
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1980 Trop and Geogr Med 32 (1) Mar 53-56 Wa
Toxoplasma, serological and clinical evidence in patients and healthy people, age and sex distribution: Upper Leeward Islands

Age of host
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1979 Tropenmed u Parasitol 30 (4) Dec 482-488 Wa
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Age of host
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Age of host
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Haemonchus contortus, 4-and 7-month-old lambs, comparison of resistance conferred by irradiated larvae and transfer factor treatment

Age of host
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Age of host
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Schistosoma mansoni, humans, epidemiological survey, prevalence of hepato-splenomegalies in endemic areas, age of host, severe effect on public health and socio-economic development in Upper Volta and Ivory Coast

Age of host
Rubis P et al
1981 Southeast Asian J Trop Med and Pub Health 12 (1) Mar 30-36 Wa
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Age of host
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1981 Am J Trop Med and Hyg 30 (5) Sept 937-941 Wa
Babesia microti, humans, epidemiology, apparent association between age and severity of illness: Nantucket Island, Massachusetts

Age of host
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1980 Am J Trop Med and Hyg 29 (6) Nov 1150-1160 Wa
Toxoplasma gondii, cats, prevalence of oocysts in feces, correlation of antibody presence and oocyst shedding, age and origin of cats, age of onset of infection, number of owned and stray cats visiting households, cats' pattern of roaming, food sources, type of food foraged, defecation sites outdoors and indoors, reshedding of oocysts after challenge in malnourished cats: Costa Rica

Age of host
Saez H
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 567-575 Wa
Trichuris trichiura, incidence in Papio papio according to age and sex of host

Age of host
Sagua H et al
1979 Rev Chilena Pediat 50 (3) May-June 15-20 Wm
Isospora belli, 26 children, distribution by sex and age group, clinical and epidemiological aspects: Antofagasta, Chile

Age of host
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increased prevalence of S[chistosoma] mansoni (with high prevalence in children, including some under 5 years of age) and decreased prevalence of S. haematobium in inhabitants of the Nile Delta areas, Egypt

Age of host
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1980 Trop Animal Health and Prod 12 (2) May 97-104 Wa
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Age of host
Schowalter DB et al
1980 J Wildlife Dis 16 (2) Apr 189-194 Wa
Toxoplasma gondii in Mephitis mephitis, serological survey, indirect hemagglutination test, prevalence by host age groups and by humid vs. arid biomes, antibody titres by month and season: Alberta; Saskatchewan

Age of host
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1981 Am J Trop Med and Hyg 30 (2) Mar 364-372 Wa
Schistosoma haematobium, human, prevalence and intensity, hematuria, host age and sex, relationship to S. mansoni and S. mattheei: Northern KwaZulu, South Africa

Age of host
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Typhlocoelum cucumerinum cymbium, T. c. cucumerinum, prevalence, abundance, and intensity of infection, seasonal, age, and sex differences in wild ducks; positive correlation between infections and occurrence of snails in diet: Delta Marsh, southern Manitoba, Canada

Age of host
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Dirofilaria immitis, dogs, monthly prevalence, infection rates by age group: west central Colorado

Age of host
Seegar WS
1979 Canad J Zool 57 (7) July 1500-1502 Wa
Sarconema eurycerca, prevalence in Cygnus c. columbianus, juveniles vs. adults: eastern North Carolina; Chesapeake Bay, Maryland; North Slope, Alaska

Age of host
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Capillaria plica, dogs, prevalence, pathology, age and sex distribution, treatment with albendazole: rural southeastern Pennsylvania

Age of host
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1980 J Wildlife Dis 16 (2) Apr 225-228 Wa
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Age of host
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Age of host
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1980 J Fish Biol 16 (5) May 483-492 Wa
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Smith G
1981 Brit Vet J 137 (4) July-Aug 398-410 Wa
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Age of host
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1980 Research Vet Sc 29 (1) July 45-50 Wa
Haemonchus contortus, immunizing lambs with varying numbers of doses of irradiated larvae, or combining this vaccine with larval antigens and adjuvant, serum IgG, IgA and IgG in abomasal mucosa

Age of host
Soh CT et al
1976 Yonsei Rep Trop Med 7 (1) Nov 3-16 Wm
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Solangi MA; Overstreet RM
1980 J Parasitol 66 (3) June 513-526 Wa
Eimeria funduli in killifishes, prevalence, specificity, and known distribution, sites of infection, experimental infections, route of infection (through grass shrimp), endogenous development, susceptibility and variability in development (host age, temperature, infective dose, premunition), gross pathology and pathogenesis, control with monensin or by feeding TetraMin fish food

Age of host
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Age of host
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1981 Am J Trop Med and Hyg 30 (4) July 747-750 Wa
Plasmodium falciparum, human, enzyme-linked immunosorbent assay, indirect fluorescent antibody test, age distribution of serologic responses, results indicate neither test is appropriate as diagnostic aid but both would be useful in epidemiologic investigations; some patients had concurrent P. vivax infection: El Salvador, Central America

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1981 Am J Trop Med and Hyg 30 (3) May 560-565 Wa
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1981 Tropenmed u Parasitol 32 (3) Sept 141-144 Wa
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Age of host
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1981 Tr Roy Soc Trop Med and Hyg 75 (2) 219-227 Wa
Schistosoma mansoni-infected schoolchildren, heat-labile IgE and heat-stable IgG anti-schistosomular antibodies, relationship to host age, to intensity of infection, and to each other: Kenya

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1980 Southeast Asian J Trop Med and Pub Health 11 (4) Dec 451-460 Wa
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Age of host
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1981 J Fish Biol 18 (4) Apr 491-501 Wa
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Age of host
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1980 Japan J Exper Med 50 (2) Apr 85-89 Wa
Wuchereria bancrofti, survey, high prevalence in indigenous tribes, host age and sex distribution, periodicity: Northern Mindanao, Philippines

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1980 J Helminth 54 (1) Mar 1-6 Wa
Trichostrongylus vitrinus, sheep (exper.), influence of host age and nematode population size on distribution in intestine

Age of host
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1980 Ann Trop Med and Parasitol 74 (3) June 347-354 Wa
Schistosoma haematobium study area, human water-contact activities, frequency, degree of bodily contact with water, diurnal variation, age and sex differences, dry vs. wet season, implications for schistosomiasis transmission and control: Ruwan Sanyi dam, Malumfashi District, northern Nigeria

Age of host
Thomas V; Sinniah B; Yap PL
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 119-125 Wa
Toxoplasma gondii, human, indirect fluorescent antibody prevalence in relation to age group, sex, and ethnic group, prevalence of specific IgM antibodies: Malaysia

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1981 J Parasitol 67 (4) Aug 481-486 Wa
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Age of host
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1980 J Wildlife Dis 16 (3) July 383-390 Wa
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Age of host
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1978 J Wildlife Dis 14 (1) Jan 89-96 Wa
Parelaphostrongylus tenuis in Odocoileus virginianus (cranial cavity), prevalence and intensity of infection by host age, sex, and habitat, localization: New Hampshire

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1968 J Zool London 154 (4) Apr 481-485 Wa
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Age of host
Tikasingh E et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 715-719 Wa
Plasmodium malariae, human, outbreak probably due to renewal of transmission from recrudescent cases, serology used to help define epidemic (indirect fluorescent antibody test by age group using P. brasilianum, P. falciparum, and P. fieldi as antigens): Grenada

Age of host
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1979 J Wildlife Dis 15 (2) Apr 273-280 Wa
Elaeophora schneideri in Odocoileus virginianus (exper.), eosinophilia, clinical signs, pathology, age-related resistance

Age of host
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1981 Am J Vet Research 42 (8) Aug 1444-1446 Wa
Trypanosoma cruzi, dogs, serological survey using complement-fixation and direct-agglutination tests: southeastern United States

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Age of host
Tzipori S et al
1981 Infect and Immun 33 (2) Aug 401-406 Wa
Cryptosporidium sp., enterotoxigenic Escherichia coli, rotavirus, lambs (exper.), single and mixed infections, clinical and pathological manifestations, age susceptibility

Age of host
Tzipori S et al
1981 Am J Vet Research 42 (8) Aug 1400-1404 Wa
Cryptosporidium, calves (exper.), (small and large intestines), diarrhea, histopathology, relationship between age at inoculation, incubation period, and clinical signs of infection

Age of host
Ueda K et al
1977 Japan J Exper Med 47 (6) Dec 475-482 Wa
Pneumocystis carinii as cause of chronic fatal pulmonary disease in nude mice of barrier sustained colony, heterozygous littermates were much less susceptible but infection could be produced by provocation with immunosuppressants, age distribution of infections, clinical observations, histopathology, experimental transmission experiments with nu/nu and nu/+ mice with and without immunosuppressants

Age of host
Upatham ES et al
1981 Ann Trop Med and Parasitol 75 (1) Feb 63-69 Wa
Schistosoma haematobium, patterns of transmission, bionomics of intermediate snail host Bulinus abyssinicus, seasonal rainfall and snail size among factors: Somali Democratic Republic

Age of host
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1980 Tropenmed u Parasitol 31 (3) Sept 288-298 Wa
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Age of host
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Trypanosoma congolense in neonatal and 6-month-old calves, quantitation of hematological changes (anemia, leukocytes, radioiron kinetics)

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1980 J Hyg Cambridge 85 (2) Oct 165-174 Wa
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1979 Rev Elevage et Med Vet Pays Trop n s 32 (2) 149-153 Wa
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Age of host
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1980 Acta Vet Brno 49 (1-2) Mar-June 91-103 Wa
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1965 Ztschr Tropenmed u Parasitol 16 (2) July 109-125 Wa
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Voller A et al
1980 Bull World Health Organ 58 (3) 429-438 Wa
Plasmodium falciparum, longitudinal study of 2 West African populations, antibody levels measured using the ELISA technique, values as reflected by population age, limitations of technique

Age of host
Wabuke-Bunoti MAN
1980 J Fish Dis 3 (3) May 223-230 Wa
Polyonchobothrium clarias, prevalence and pathology in Clarias mossambicus (gall bladder, duodenum, ileum, rectum), higher intensity of infection in young fish: Entebbe, Uganda

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Age of host
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1980 J Fish Biol 17 (3) Sept 255-261 Wa
metazoan parasites, Esox lucius, differences in abundance with host age, sex, location, and season: Southern Indian Lake, Manitoba, Canada

Age of host
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1979 Acta Trop 36 (4) Dec 369-377 Wa
Wuchereria bancrofti, human, prevalence of microfilaraemia and clinical manifestations by age, survey methodology: Tanzania

Age of host
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Age of host
Wellde BT et al
1981 Exper Parasitol 52 (2) Oct 219-232 Wa
Trypanosoma congolense, cattle, investigations of natural and acquired resistance with reference to age resistance, self-cure, chemotherapeutic cure, blood- vs. tsetse fly-induced infections, and challenge with homologous vs. heterologous strains

Age of host
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1978 Med J Zambia 12 (1) Feb-Mar 13-16 Wm
Schistosoma haematobium, hookworm, malaria, prevalence survey, age variations in rural communities: Zambia

Age of host
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1967 J Nat Hist 1 (2) Apr-June 299-301 Wa
Mytilicola intestinalis in Mytilus edulis, low infection rate in young mussels, female parasites significantly smaller in size in young mussels than in adult mussels: Whitstable, Kent

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Willomitzer J
1980 Acta Vet Brno 49 (3-4) Sept-Dec 269-277 Wa
parasites of Ctenopharyngodon idella fry and fingerlings, intensity and extensity of infestation, seasonal dynamics, host age; Diplostomum as cause of extensive eye lesions in C. idella, economic importance, relation between infection of fish and intermediate host snails, experimental infection of Lebistes reticulatus: State Fishery, Pohorelice

Age of host
Wilson AJ
1979 J South African Vet Ass 50 (4) Dec 293-295 Wa
Anaplasma marginale, Bos indicus (nat. and exper.), effect of host nutrition, breed, and age on pathogenesis of anaplasmosis, natural transmission in endemic areas indicated that introduced cattle should not adversely affect enzootic stability: north Queensland

Age of host
Wilson AJ; Parker R; Trueman KF
1980 Trop Animal Health and Prod 12 (2) May 90-94 Wa
Anaplasma marginale in Bos indicus crossbred and Bos taurus of 2 age groups, no significant differences in susceptibility were observed

Age of host
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1980 Internat J Parasitol 10 (1) Feb 65-73 Wa
Trichostrongylus colubriformis, lambs, vaccination with irradiated larvae, dissociation into 'responders' and 'non-responders': response to primary sequential challenge, response to rechallenge with single dose, correlation between haemoglobin type and faecal egg counts during primary and secondary challenge, effect of vaccination and challenge on liveweight gain and wool growth

Age of host
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1980 Bull World Health Organ 58 (4) 629-638 Wa
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Age of host
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1979 Bull Soc Path Exot 72 (1) Jan-Feb 35-40 Wa
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Age of host
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1979 Proc Helminth Soc Washington 46 (1) Jan 28-35 Issued Mar 14 Wa
Pterygondermatites cahirensis from Canis latrans (upper intestine), redescription, synonymy, female-male ratios in male, female, and combined sexes of coyote, age of host, affinities with Ancylostoma caninum may be due to apparently independent preference of both species for younger immunologically tolerant hosts: Texas

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1980 J Parasitol 66 (2) Apr 366-367 Wa
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Age of host
Zarate LG et al
1980 J Med Entom 17 (2) Mar 31 103-116 Wa
blood meal sources of Triatoma barberi, correlation with Trypanosoma cruzi infection using "infective blood meal index", rate of infection, age of host, seasonal variation, evidence of strong link between T. barberi and peridomestic rodents: Magdalena Apazco, state of Oaxaca, Mexico

Age of host
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1980 Pediat Polska 55 (10) 1143-1148 Wm
taeniasis, human intestinal infections, increasing incidence, age and sex factors: Poland

Age of host
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1979 Casop Lek Cesk 118 (47) Nov 23 1447-1450 Wm
human intestinal parasites, incidence, epidemiology, therapy, suggestions for future control: Karvina district

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Adams TS; Holt GG; Sundet WD
1979 J Med Entom 15 (2) Feb 8 124-131 Wa
Cochliomyia hominivorax females, olfactometer bioassay for study of screwworm attractants, physical and physiological conditions that influence attraction, effect of diet on attractancy

Age of parasite
Amin OM; Redlin MJ
1980 System Parasitol 2 (1) Dec 9-20 Wa
Echinorhynchus salmonis in Coregonus hoyi and Osmerus mordax, worm sex and age and the host species (salmonid host vs. non-salmonid host) affected worm growth and morphological variability, anomalies; extreme variability in cement gland pattern and the implications for using this diagnostic character on the generic level

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Anderson JF; Magnarelli LA
1980 J Med Entom 17 (4) July 31 314-323 Wa
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1969 Folia Parasitol 16 (4) 303-311 Wa
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1980 Am Midland Naturalist 104 (1) July 135-154 Wa
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Age of parasite
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1981 Parasite Immunol 3 (1) Spring 13-24 Wa
Schistosoma mansoni, age-dependent susceptibility to immune elimination of schistosomula artificially introduced into preinfected mice

Age of parasite
Broce AB
1980 Ann Entom Soc Am 73 (4) July 15 386-389 Wa
Cochliomyia hominivorax, effect of swormlure-2 and its individual chemical components on sexual behavior of males vs. females 0 to 7 days old, laboratory studies

Age of parasite
Bundy DAP
1981 Internat J Parasitol 11 (4) Aug 319-322 Wa
Transversotrema patialense, egg capsule morphometrics, age-dependency and population frequency distribution, implications for use as taxonomic criterion in Transversotrematidae

Age of parasite
Bundy DAP
1981 J Parasitol 67 (4) Aug 531-534 Wa
Transversotrema patialense, collection and culture techniques required for development of eggs, survival characteristics of free-living miracidial populations (maximum longevity, mean expected life span, age-dependent mortality)

Age of parasite
Cabaret J
1980 Ann Parasitol 55 (5) Sept-Oct 571-581 Wa
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Age of parasite
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1980 Ann Soc Belge Med Trop 60 (1) Mar 97-101 Wa
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Age of parasite
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1981 Molec and Biochem Parasitol 3 (2) June 91-101 Wa
Fasciola hepatica, proline biosynthesis at different developmental stages in vivo and in vitro

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Castanheira EB; Gazzinelli G; Figueiredo EA
1981 Comp Biochem and Physiol 68B (3) 467-472 Wa
Schistosoma mansoni, key enzymes of carbohydrate metabolism, activities and isoenzyme electrophoretic patterns in relation to parasite developmental stage and sex and to host origin (permissive vs. non-permissive)

Age of parasite
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1972 Diss (South Dakota State Univ) 107 pp Ann Arbor Michigan Wa(DISS 72-33,332)
Geomylichus geomydis n. sp. from Geomys b. bursarius, rates of infestation by season, sex of host, and age of host, statistical analysis and comparison with 4 other major ectoparasite populations (parasite age & sex structures, total and mean population densities, mean seasonal percent), distribution and behavior on host body, observations on eggs, survival after removal from host, body weights, life cycle

Age of parasite
Crystal MM
1979 J Med Entom 15 (2) Feb 8 103-108 Wa
Cochliomyia hominivorax sterilization, optimum combination of dose, age, and developmental stage at time of irradiation that would not affect mating competitiveness and longevity

Age of parasite
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Issued Mar 11 Wa
Plasmodium gallinaceum, infectivity for chicks of oocyst sporozoites isolated on different days after Aedes fluviatilis had fed on infected birds, comparison with infectivity of salivary-gland sporozoites isolated from same group of mosquitoes; antigenicity of oocyst and salivary-gland sporozoites is similar

Age of parasite
Dickinson RG et al
1980 J Austral Entom Soc 18 (3) 1979 199-210
Issued Mar 14 Wa
Boophilus microplus, a prostaglandin and a second smooth muscle contracting component from saliva, salivary glands or hemolymph of engorged or partly engorged females; prostaglandin not dependent on host immune status nor of host origin, more likely produced by tick, possibly functions in establishing feeding lesion or has physiological role in tick; identity and role of second component not known

Age of parasite
Fannaly MT
1980 Proc Louisiana Acad Sc 43 Dec 26-29 Wa
Olencira praegustator on Brevoortia patronus, life history, host lengths, parasite lengths, parasite sex distribution, effect on host: Lake Pontchartrain, Louisiana

Age of parasite
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1980 Tropenmed u Parasitol 31 (3) Sept 345-356 Wa
Wuchereria bancrofti, microfilariae from Liberian man, 1st-, 2nd-, and 3rd-stage larvae from vector, and 4th-stage larvae from experimental rodent hosts, surface structures, scanning electron microscopy

Age of parasite
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1980 Tr Roy Soc Trop Med and Hyg 74 (2) 185-191 Wa
Schistosoma mansoni, human, fluke life-span in hosts of different ages, statistical analysis: St. Lucia, West Indies

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Cochliomyia hominivorax, electroretinographic measurements of visual sensitivity of wild vs. mass-reared flies, effect of sex, age, and irradiation, changes in rearing technique may be necessary to keep visual sensitivity of mass-reared flies more like that of wild flies

Age of parasite
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1980 Exper Parasitol 50 (2) Oct 155-170 Wa
Fasciola hepatica, immunofluorescent study of antigenic changes in tegument during development in rat and sheep

Age of parasite
Holscher KH; Gearhart HL; Barker RW
1980 Ann Entom Soc Am 73 (3) May 15 288-292 Wa
Amblyomma americanum, A. maculatum, Dermacentor variabilis, olfactory perception of carbon dioxide, effect of sex, age, humidity, temperature, and carbon dioxide preconditioning; field study with laboratory-reared A. americanum adults of various ages

Age of parasite
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Bovicola ovis, gamma irradiation of eggs, effect on egg mortality, egg productivity of subsequent females, and testes development of subsequent males, eggs progressively more resistant with increasing age

Age of parasite
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1980 J Parasitol 66 (2) Apr 197-204 Wa
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Age of parasite
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1981 Comp Biochem and Physiol 70B (4) 697-702 Wa
Hymenolepis diminuta, crowded vs. uncrowded worms, 10-day-old vs. 6-day-old worms, thymidine uptake kinetics, effect of succinate

Age of parasite
Johnson P et al
1981 Parasite Immunol 3 (1) Spring 69-80 Wa
Brugia pahangi, serum-mediated adherence of feline eosinophils and neutrophils to microfilariae in vitro, involvement of IgG and complement, effect of age or origin of microfilariae

Age of parasite
Kearn GC
1980 Parasitology 81 (1) Aug 71-89 Wa
Entobdella soleae, oncomiracidia hatched with and without chemical stimulation in light and in darkness, light and gravity responses in relation to larval age and their role in host location

Age of parasite
Keshavarz-Valian H; Nollen PM
1980 J Parasitol 66 (4) Aug 684-686 Wa
Philophthalmus gralli miracidia, responses to gravity and light, effects of aging and temperature on these responses

Age of parasite
Keymer A
1981 J Animal Ecol 50 (3) Oct 941-950 Wa
Hymenolepis diminuta, population dynamics in Tribolium confusum: relationship between number of exposures to infection and resultant parasite burden per host; relationships between cysticercoid density, age, and infectivity; relationship between infective-stage density and resultant parasite burden per host (transmission to intermediate host; transmission to definitive host); influence of infection on intermediate host population growth

Age of parasite
Kuris AM
1980 Internat J Parasitol 10 (1) Feb 21-25 Wa
Echinostoma liei miracidia, infectivity for Biomphalaria glabrata, effect of echinostome egg age, habitat heterogeneity, and water quality and volume, results enhance competitive potential of echinostomes as possible biological control agents for Schistosoma mansoni

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1980 Parasitology 81 (2) Oct 337-348 Wa
Schistosoma mansoni cercariae, effect of water temperature on longevity, utilization of endogenous glycogen reserve during ageing

Age of parasite
Matthews BF
1981 Parasitology 83 (3) Dec 587-593 Wa
Cercaria vaullegeardi in Tigriopus brevicornis (haemocoel) (exper.), inoculative mechanism whereby cystophorous cercariae infect copepod 2nd intermediate host related to ultrastructure of cercaria and to feeding mechanics of harpacticoids, cercarial viability decreased with age and varied with season

Age of parasite
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1980 Internat J Parasitol 10 (4) Aug 287-291
Wa
Transversotrema patialense on Brachydanio rerio, (parasite) age- and density-dependent growth, increase in occurrence of reproductive abnormalities in old parasites

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1980 Parasitology 81 (1) Aug 91-102 Wa
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Age of parasite
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1981 Molec and Biochem Parasitol 3 (5) Sept 301-318 Wa
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1980 Indian J Exper Biol 18 (8) Aug 906-909 Wa
Nippostrongylus brasiliensis, rats, factors modifying therapeutic efficacy of thiabendazole (worm burden, host resistance, age of parasite, and starvation altered efficacy; host age and weight and concurrent infection with Hymenolepis nana did not)

Age of parasite
Pandey VS
1980 Vet Parasitol 7 (4) Dec 357-362 Wa
Strongylus vulgaris, donkeys (anterior mesenteric artery), prevalence and intensity of infection, parasite sex ratio and age structure, seasonal patterns: Morocco

Age of parasite
Pandey VS
1981 Trop Animal Health and Prod 13 (2) May 119-122 Wa
Strongylus vulgaris in horses (anterior mesenteric artery), incidence, intensity, age structure of parasite population, data by month from August 1978 to July 1979: Morocco

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1980 Nippon Zyuisi-Kai Zassi (J Japan Vet Med Ass) 33 (10) Oct 481-484 Wa
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1980 Proc Helminth Soc Washington 47 (2) July 168-178 Issued Aug 25 Wa
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Anomalies, Parasite
Uznanski RL; Nickol BB
1980 J Parasitol 66 (3) June 506-512 Wa
Leptorhynchoides thecatus in Hyalella azteca, sequential ranking system for developmental stages which recognizes 22 stages; redescription of certain aspects of development; description of developmental anomalies thought to be induced by high temperatures

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Antigens See Immunity, Antigens

Appendicitis See Appendix

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Enterobius vermicularis, humans, appendix, clinical aspects

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Angiostrongylus costaricensis, man, case report, cause of acute appendicitis: Brazil

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**1981 Trop and Geogr Med 33 (3) Sept 291-293 Wa**
**Entamoeba histolytica, man, case report, cutaneous infection following appendectomy: India**

**Appendix**
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**Strongyloides stercoralis, man, case report, causative agent of eosinophilic appendicitis**

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Schistosoma japonicum-like, man (eggs in appendix), case report, 2nd autochthonous case in Indonesia

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oxyuriasis of intestinal tract in patients with appendicitis, clinical aspects, diagnostic findings

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**1980 J Fish Dis 3 (4) July 355-357 Wa**
**Ichthyophthirius multifiliis, control of fish diseases in warm water aquaculture operations using povisan and parasan: Venezuela**

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Cryptocaryon irritans in Lutjanus campechanus (mucus), control trials using hypersaline dips both with and without additions of quinine hydrochloride and chloroquine, and minimal handling: fish culture, St. Petersburg, Florida

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1980 J Fish Dis 3 (2) Mar 101-114 Wa
Haemogregarina sachai in Scophthalmus maximus under aquaculture conditions, pathogenicity, pathology, transmission experiments between fish were unsuccessful: farms at Hunterston, Scotland

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1980 J Fish Dis 3 (3) May 257-260 Wa
Henneguya sp., interlamellar infestation in Ictalurus punctatus in epizootic proportions, severe Chilodonella sp. infestation may have been stimulus for extensive hyperplasia of gill epithelium and consequent infestation by Henneguya: Tishomingo National Fish Hatchery, Oklahoma

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Cleidodiscus robustus, pathology of gill lesions in Lepomis macrochirus: Beechwood Fish Hatchery, Lecompte, Louisiana

Aral Sea See Seas, Aral Sea

Archeology See Parasitology, History

Armies, Parasites See Medicine, Military

Arrested development See Development

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1981 Ann Int Med 94 (2) Feb 207-209 Wa
Strongyloides stercoralis, Taenia saginata, patients with arthritis, evidence of abnormal humoral immunity to parasites, immune complexes in serum and synovial fluid, and immunoglobulin deposits in synovia, anti-inflammatory agents were ineffective but specific antiparasitic treatment resulted in resolution of symptoms and immunologic abnormalities, findings suggest that arthritis induced by parasitic infestation may be mediated by immune complex formation in susceptible hosts

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Cossermelli W et al
1978 Ann Rheumatic Dis 37 (3) June 277-280 Wm
Trypanosoma cruzi, polymyositis marked clinical onset of Chagas disease in woman with rheumatoid arthritis, humoral immune system may play role in this pathogenesis

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El-Sewefy AZ; Wahab MA
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Dracunculus medinensis, male immigrants from Yemen, calcified worms discovered in various body areas during radiologic studies, calcifications symptomless except for possible association with arthritis: Mecca

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**Ixodes ricinus, possible cause of erythema chronicum migrans and associated Lyme arthritis, woman, case report: Switzerland**

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**Kuberski TT**
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**Trichomonas vaginalis, 35-year-old man, prostatitis, ankylosing spondylitis, case report, possibility that T. vaginalis might play role in prostatitis and pathogenesis of ankylosing spondylitis in some patients**

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Paget S
1981 Hosp Pract 16 (4) Apr 101-105 Wm
Chronic arthritis preceded by skin rash, diagnosed as Lyme arthritis carried by tick vector Ixodes dammini, man, case report: New York City

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**Lyme arthritis, 16-year-old boy with history of multiple tick bites, case review, first report from Arkansas**

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**toxocariasis, 18-year-old girl with positive toxocaral fluorescent antibody test, associated arthritis, choroiditis, and arthralgia which responded to diethylcarbamazine therapy**

Arthus' phenomenon See Immunity, Skin tests

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**skin sensitivity reactions in Nigerian children with bronchial asthma, including relatively high sensitivity to Ascaris antigen**

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**asthmatic and nonasthmatic children, prevalence of IgE and IgG antibodies to Toxocara canis and Dirofilaria immitis: Oahu, Hawaii**

Asthma
Gill GV
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Strongyloides stercoralis infections in patients who also had asthma, prevalence data do not support protective effect of helminth infections on development of asthma, spirometry before and after eradicative course of thiabendazole, results suggestive of improved lung function after worm removal

**Asthma**
**Hirshman CA; Downes H**
**1981 J Applied Physiol Respiratory Environmental and Exercise Physiol 50 (4) Apr 761-765 Wm**
**Basenji-Greyhound dog model of asthma, influence of atropine on Ascaris antigen-induced bronchoconstriction**

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Hirshman CA; Malley A; Downes H
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Basenji-Greyhound dog model of asthma, reactivity to Ascaris suum, citric acid, and methacholine

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Kayhan B; Telatar H; Karacadag S
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intestinal parasites, especially Ascaris lumbricoides, increased incidence in persons with bronchial asthma, survey at Hacettepe University Medical Center, Turkey

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1981 Ann Trop Med and Parasitol 75 (3) June 299-314 Wa
Necator americanus, human, prevalence and intensity by age and sex, seasonal changes, morbidity (asthma, growth parameters, haemoglobin), total IgE levels, other parasites: The Gambia

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1981 Internat Arch Allergy and Applied Immunol 64 (3) 332-337 Wm
asthmatic Macaca mulatta with airway and cutaneous reactivity to Ascaris antigen, chronic pruritic dermatitis which appears to be analogue of human atopic dermatitis

Asthma
Weissberger D et al
1981 J Allergy and Clin Immunol 67 (5) May 357-362 Wm
sheep with Ascaris suum sensitivity, impaired tracheal mucus transport in allergic bronchoconstriction after A. suum challenge, effect of terbutaline pretreatment

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1980 Ohio State Univ Biosc Colloq (5) 31-46 Wm; Wa
Plasmodium, host cell invasion, review: recognition and initial attachment, invagination of host plasmalemma, sealing of host cell membrane, alteration of host cell membrane

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Hasstilesia tricolor, surface topography, tegumentary spination, spines aid in holding the trematode in its tissue site, scanning electron microscopy

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Leucochloridiomorpha constantiae metacercariae, development on chick chorioallantoic membranes (CAM) and in chick embryos, worms grown singly were capable of self-fertilization, acetabular attachment to CAM is similar to attachment seen in chick bursa of Fabricius

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Entamoeba histolytica and Giardia lamblia in culture media, attachment of trophozoites to glass as function of phase of growth, effects of cysteine and ascorbic acid on kinetics of attachment, effects of cysteine, cystine, and ascorbic acid on trophozoite survival at different oxygen tensions

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Entamoeba histolytica in defined maintenance medium, attachment to glass, motility, and survival, specific requirement for cysteine and ascorbic acid

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Trichodina pediculus, adhesive disc, fine structure with particular reference to mode of function

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Odostomia columbiana, attachment structure, description: East Sound, off Orcas Island, Washington

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Giardia spp., ventral sucking disk cytoskeleton, arrangement of subunits in isolated microribbons

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Giardia spp., isolation and structure of ventral sucking disk cytoskeleton, tubulin and low-molecular-weight protein associated with microribbon structures

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1980 Indian J Exper Biol 18 (12) Dec 1534 Wa
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Trypanosoma melophagium in Melophagus ovinus, scanning electron microscopy of parasites and of insect gut wall surfaces, method of attachment and relationship of parasites to host surfaces

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Plasmodium falciparum, inhibitory effects of erythrocyte membrane proteins on in vitro invasion of merozoites into host cell, observations imply role for glycophorin A in attachment of malarial parasite to erythrocyte surface

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Notocotylus attenuatus, ventral papillae, structure, possible function as holdfast organs, damage inflicted to host caecum, scanning and transmission electron microscopy

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1981 Parasitology 83 (3) Dec 477-487 Wa
Caryophyllaeus laticeps, scolex-neck syncytium, neck cells, frontal gland cells, ultrastructure, inter-relationships of gland distribution, scolex morphology, and host pathology

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1981 J Protozool 28 (3) Aug 297-301 Wa
Herpetomonas ampelophilae, ultrastructure of flagellar apparatus and attachment in gut and malpighian tubules of Drosophila melanogaster

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1981 Parasitology 82 (2) Apr 231-240 Wa
Diplectanum aequans, pseudohaptoral squamodiscs, ultrastructure, arrangement of musculature of spines, presence of nerves some of which are assumed to be mechano-receptors

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1981 Tr Roy Soc Trop Med and Hyg 75 (3) 409-414 Wa
Trypanosoma vivax, trypomastigote metacyclic stage, attachment to wall of hypopharynx in Glossina m. morsitans, absence of surface coat, implications for mechanism of antigenic variation in this species and vaccination of cattle against it

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Plasmodium falciparum-infected erythrocytes specifically bind to cultured human endothelial cells, results suggest specific receptor-ligand interaction between endothelial cells and component(s) in knobs of infected erythrocytes

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Leishmania tropica, biochemical aspects of promastigotes' attachment to macrophages in vitro

Attractants [See also Host perception by parasites; Pheromones; Taxis]

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Trichinella spiralis, chemical attraction in absence of worm-mediated tactile behavior, postulate that onset of pheromone production is during 4th developmental stage

Attractants
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1980 J Chem Ecol 6 (2) Mar 297-308 Wa
Nippostrongylus brasiliensis females, aggregation pheromone nippolure partially purified, male response

Attractants
Broce AB
1980 Ann Entom Soc Am 73 (4) July 15 386-389 Wa
Cochliomyia hominivorax, effect of swormlure-2 and its individual chemical components on sexual behavior of males vs. females 0 to 7 days old, laboratory studies

Attractants
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1981 J Chem Ecol 7 (3) May 529-541 Wa
Lucilia cuprina, evidence for attractant in cuticular lipids of female flies, may play role in group oviposition behavior exhibited by this species

Attractants
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1981 Comp Biochem and Physiol 68B (1) 111-112 Wa
Schistosoma mansoni, neutral lipid fractions in whole body extracts of adult male and female worms, release of neutral lipids by adult worms maintained in vitro, lipophilic substances released from males may influence development and chemoattraction of females

Attractants
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1981 Parasitology 82 (2) Apr 225-229 Wa
Amblosoma suwaense, pairing and aggregation of metacercariae in vitro, partial characterization of lipids involved in chemo-attraction

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1980 J Parasitol 66 (6) Dec 1014-1018 Issued May 6 1981 Wa
Echinostoma revolutum, in vitro pairing of immature and mature adults, characterization of worm products involved in chemoattraction as lipids

Attractants
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1980 Environment Entom 9 (5) Oct 649-652 Wa
Neoaplectana carpocapsae, orientation behavior of infective stage juveniles in response to $CO_2$, results suggest this compound aids host finding

Attractants
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Schistosoma mansoni, pheromonal attraction of females toward males in absence of worm-tactile behavior

Attractants
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1981 Ann Entom Soc Am 74 (5) Sept 498-500 Wa
Amblyomma americanum, comparative catches of nymphs and male and female adult ticks by $CO_2$-emitting dry-ice, dry-chemical, and animal-baited devices

Attractants
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Haematobia irritans, identification of cuticular hydrocarbons, assays for biological activity as attractants

Attractants
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1980 Vet Parasitol 7 (3) Nov 255-263 Wa
Amblyomma tholloni, life cycle under laboratory conditions, durations of developmental periods, egg productivity, attachment and feeding on hosts, attraction of males to partially fed females and sex pheromone 2,6-dichlorophenol, presence of 2,6-dichlorophenol in partially fed females

Attractants
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1981 Environment Entom 10 (4) Aug 511-516 Wa
attraction of non-target organisms to SWASS (bait toxicant system for Cochliomyia hominivorax)

Attractants
Pye AE; Burman M
1981 Exper Parasitol 51 (1) Feb 13-20 Wa
Neoaplectana carpocapsae, nematode accumulations on chemical and bacterial gradients, results may help understand infection processes and provide tools for enhancing spread of nematode to targeted pest insects

Attractants
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1980 Southwest Entom 5 (3) Sept 175-178 Wa
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1980 Comp Biochem and Physiol 66C (1) 17-27 Wa
Biomphalaria glabrata adults, behavioral responses to amino acids and related compounds (including propionic acid), postulated structure-activity relationship for compounds effective as attractants, arrestants, or repellents and their chemoreceptors

Attractants
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Ixodes ricinus, I. persulcatus, both sexes attracted to aggregation pheromone from virgin adults, attraction more distinct in older ticks than in younger ones

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Ancylostoma caninum, dog serum contains factor that chemotactically attracts infective larvae, sera of other animal species also possess factor but to much lesser extent

Australia, Queensland
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1979 Austral Vet J 55 (9) Sept 441-442 Wa
infectious diseases of feral goats, abattoir survey: Queensland, Australia

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intestinal parasitic infections of man in Tasmania

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Jones HI
1980 Med J Australia 2 (7) Oct 4 375-380 Wm
intestinal parasite infections, survey, Western Australian Aborigines

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1980 Wien Med Wchnschr 130 (5) Mar 15 190-193 Wm
parasitic infections, frequency and significance in Vietnamese refugees living in Austria

Autoimmunity See Immunity, Autoimmunity

Autoinfection See Disease transmission, Autoinfection

Axenic culture See Culture

B cells See Lymphocytes

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Aitken MM et al
1981 Research Vet Sc 31 (1) July 120-126 Wa
Fasciola hepatica-infected vs. non-infected cattle (exper.), resistance to reinfection with potentially lethal dose of Salmonella dublin, results indicate that Fasciola infection did not alter resistance but that bacteria persisted in tissues and were excreted in faeces of fluke-infected animals for longer than fluke-free animals

Bacteria
Aitken MM; Hughes DL; Jones PW
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Fasciola hepatica-infected rats, response to reinfection with Salmonella dublin

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Eimeria acervulina, E. necatrix, broiler chicks (exper.), role in production of necrotic enteritis when administered before infection with Clostridium perfringens type A, clinical signs, gross and histopathology

Bacteria
Anderson WR
1978 Proc Helminth Soc Washington 45 (2) July 226-230 Issued Aug 30 Wa
Stephanurus dentatus, swine (exper.), microbial flora associated with migrating larvae and with parasitized vs. helminth-free swine tissues

Bacteria
Anderson WR; Madden PA; Colglazier ML
1978 Proc Helminth Soc Washington 45 (2) July 219-225 Issued Aug 30 Wa
Strongylus edentatus from horses, 4 types of cuticular lesions (filamentous, flat, cratered, proliferate), associated microbial flora, electron microscopy

Bacteria
Bundy DAP
1981 Internat J Parasitol 11 (1) Feb 19-22 Wa
Transversotrema patialense, egg capsule, scanning and transmission electron microscopy, thread-like extensions trap bacteria and detritus against egg capsule surface

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1981 J Parasitol 67 (4) Aug 468-474 Wa
Trypanosoma cruzi-susceptible and -resistant mice were both more resistant to challenge with Aeromonas hydrophila following infection with T. cruzi, increased resistance depended on several factors but was generally independent of the immunosuppressed condition caused by T. cruzi infection

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streptococcal vegetative endocarditis with generalized bacterial embolism associated with Dracunculus insignis in Procyon lotor (intermuscular and subcutaneous fascia), histopathology, case report; phlegmon of forelimb associated with D. insignis infestation believed to be primary site of bacterial invasion: near New Haven, Connecticut

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Corynebacterium equi cellulitis in a foal associated with Strongyloides westeri infection, case report

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coccidia and their interaction with other pathogens, nursing piglets, enteritis, diarrhea

Bacteria
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1978 J Egypt Med Ass 61 (7-8) 463-470 Wm
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Bacteria
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trypanosomatids with and without endosymbionts, ultrastructural differences (intraflagellar structure, peripheric mitochondrial branching, kinetoplast DNA fibrils)

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Neoaplectana carpocapsae and its associated bacterium in Hyalophora cecropia (exper.), symbiotic relationship between nematode and bacteria and its survival value against induced insect immunity

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Pneumocystis carinii, 5-year-old immunosuppressed child, mixed infection with Chlamydia trachomatis: France

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Eperythrozoon ovis, lambs (exper.), resulting haemolytic anaemia and acidosis may predispose for listeric septicaemia, but not for listeric meningo-encephalitis, immune response

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enteric bacterial flora of patients infected with intestinal parasites vs. those without parasitic infections, incidence and distribution

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1981 J Comp Path 91 (2) Apr 227-233 Wa
Fasciola hepatica, cattle (exper.), susceptibility to oral infection with Salmonella dublin was not increased or enhanced by fluke infection

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Spironucleus muris, athymic (nude) mice (exper.), effect of infection and dimetridazole on intestinal microflora

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Humphrey JD; Spradbery JP; Tozer RS
1980 Exper Parasitol 49 (3) June 381-397 Wa
Chrysomya bezziana, Brahman-cross steers (exper.), gross and histopathology, clinical syndrome, hematology and biochemistry, bacteriology

Bacteria
Kaya, HK; Hara AH
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Neoaplectana carpocapsae and its associated bacterium, infectivity to 3 species of lepidopterous pupae

Bacteria
Lewis JW; Ball SJ
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Trypanosoma cobitis in Hemiclepsis marginata, ultrastructure of epimastigotes, presence of bacteria-like bodies in cytoplasm

Bacteria
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Trypanosoma cobitis, presence of bacteria-like micro-organisms in all stages of life cycle

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1980 Infect and Immun 30 (3) Dec 734-740 Wa
Trichinella spiralis, mice, effect of parasite infection on intestinal fluid transport in concomitant enterotoxic diarrhea (cholera) and on local and systemic antibody formation to cholera toxin immunization

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Salmonella typhimurium, in vitro association with 3 human Schistosoma spp., sex of worms, mechanism of interaction between Salmonella and surface tegument of Schistosoma, scanning electron microscopy

Bacteria
Miegeville M; Marjolet M; Vermeil C
1979 Bull Soc Path Exot 72 (2) Mar-Apr 107-111 Wa
Schistosoma mansoni, scanning electron microscopic study shows association between parasite surface and Salmonella in anti-Salmonella serum, possible implications for human mixed infections

Bacteria
Mikhail IA et al
1981 Am J Trop Med and Hyg 30 (2) Mar 385-393 Wa
Schistosoma mansoni, Mesocricetus auratus as animal model to study association of salmonellosis and schistosomiasis, findings suggest that direct physical relationship between bacteria and worms facilitates establishment and growth of Salmonella paratyphi A in vivo and that deficit in host immune response is not major factor involved in enhanced growth of S. paratyphi A; concurrent Leishmania donovani infections have no effect on S. paratyphi A infections

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Milstead JE
1980 J Invert Path 35 (3) May 256-259 Wa
Heterorhabditis bacteriophora and its associated bacterium causing inhibited silk production in Galleria mellonella seventh-instar larvae (exper.)

Bacteria
Milstead JE
1980 J Invert Path 35 (3) May 260-264 Wa
Heterorhabditis bacteriophora and its associated bacterium, pathophysiological influences on Schizura concinna fifth-instar larvae (exper.): decreased feeding rate, larval wet weight, and frass production

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1981 Acta Med Scand 209 (4) 333-334 Wm
Strongyloides stercoralis, man, case report, associated with severe diarrhea and abnormal colonization of duodenum with Hafnia alvei, both conditions cleared with mebendazole, diagnostic significance of presenting symptoms: Denmark, formerly from Israel

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1981 Ann Parasitol 56 (1) 23-31 Wa
Trichomonas vaginalis, human, disturbs equilibrium of vaginal bacterial populations

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1980 Rev Inst Med Trop S Paulo 22 (1) Suppl 4 Jan-Feb English text 32-36 Portuguese text 148-152 Wm
Schistosoma mansoni, humans, observations on therapy with oxamniquine and hycanthone, some reports of toxicity and strain resistance; oxamniquine for concurrent Salmonella and schistosomiasis infections

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Neoaplectana carpocapsae, nematode accumulations on chemical and bacterial gradients, results may help understand infection processes and provide tools for enhancing spread of nematode to targeted pest insects

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1981 Med Trop 41 (2) Mar-Apr 201-205 Wm
Sarcoptes scabiei, children, pathology, complications (especially renal) in the presence of mixed bacterial infections: Nouvelle Caledonie

Bacteria
Tzipori S et al
1981 Infect and Immun 33 (2) Aug 401-406 Wa
Cryptosporidium sp., enterotoxigenic Escherichia coli, rotavirus, lambs (exper.), single and mixed infections, clinical and pathological manifestations, age susceptibility

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human intestinal parasites, possible effects on permanent intestinal bacterial flora

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1981 Vet Parasitol 8 (4) Sept 309-317 Wa
Ascaris suum, swine, effect of salmonellosis on subsequent Ascaris infections

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Basophils
Brown SJ; Knapp FW
1981 Parasitology 83 (1) Aug 213-223 Wa
Amblyomma americanum on guinea pigs, effect of acquired host resistance on tick feeding, color, and survival ability, histological responses of resistant hosts to tick feeding

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IgE, interaction with mast cells, basophils, eosinophils, macrophages, and lymphoid cells, regulatory function, review

Basophils
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1981 Internat J Parasitol 11 (1) Feb 67-70 Wa
Trichostrongylus colubriformis, resistant and susceptible guinea-pigs, resting populations of basophil and eosinophil leucocytes and mast cells and their responses to infection

Basophils
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1981 J Clin Invest 67 (1) Jan 93-102 Wa
Schistosoma mansoni, role of cell-generated hydrogen peroxide in granulocyte-mediated killing of schistosomula in vitro

Basophils
Leynadier F et al
1980 Brit Med J (6226) 280 May 24 1251-1252 Wa
hydatidosis, humans, diagnosis, basophil degranulation test, useful and simple

Basophils
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1981 J Parasitol 67 (5) Oct 756-758 Wa
Macracanthorhynchus hirudinaceus, potential carbohydrate regulatory enzymes, metabolite levels

Biochemistry, Acanthocephala
Tanaka RD; MacInnis AJ
1980 J Parasitol 66 (2) Apr 354-355 Wa
Moniliformis dubius, pseudocoelomic fluid, amino acids, glucose, and malate concentrations, osmolality

Biochemistry, Arthropoda
Chinery WA
1981 J Parasitol 67 (1) Feb 15-19 Wa
Haemaphysalis spinigera, Rhipicephalus s. sanguineus, skin reaction after intracutaneous injection of salivary gland extract into sensitized and nonsensitized rabbits, indicates that ticks' saliva contains pharmacodynamic substance (closely related to histamine) in addition to having antigenic properties

Biochemistry, Arthropoda
Czeczuga B; Urban E
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (7) 557-560 Wa
Dermanyssus gallinae, Menopon gallinae, carotenoids in parasites and in infected hen skin compared, β-carotene metabolism, lowered β-carotene (vitamin A source) in birds

Biochemistry, Arthropoda
Feldman-Muhsam B; Bachrach U; Ben-Joseph M
1980 J Insect Physiol 26 (6) 407-413 Wa
Ornithodoros savignyi, presence of spermine in spermatophore, first report of spermine in the Arthropoda

Biochemistry, Arthropoda
Guenther PE; Barker DM; Sauer JR
1980 Ann Entom Soc Am 73 (4) July 15 485-488 Wa
Amblyomma maculatum, sheep (exper.), whole body water and concentrations of sodium and chloride in whole tick, gut content, hemolymph, and saliva of pre-fed and engorging females measured, comparison with published results for A. americanum; A. maculatum may imbibe considerable non-whole blood tissue while feeding on sheep

Biochemistry, Arthropoda
Kamal KA; Kamel MY
1977 J Med Entom 14 (2) Nov 25 204-207 Wa
Dermacentor andersoni, Argas arboreus, females, eggs, and larvae, total lipids and total phospholipids during oogenesis and embryogenesis

Biochemistry, Arthropoda
Mackley JW; Carlson DA; Butler JF
1981 J Chem Ecol 7 (4) July 669-683 Wa
Haematobia irritans, identification of cuticular hydrocarbons, assays for biological activity as attractants

Biochemistry, Arthropoda
Soranzo L
1980 Ann Sc Nat Zool et Biol Animale 14 s 2 (1) Jan-Mar 35-50 Wa
Hypoderma sp., bovine, oenocytes of 1st, 2nd, and 3rd larval stages, development and ultrastructure, cytological, ultrastructural, and cytochemical observations, role in lipid metabolism

Biochemistry, Arthropoda
Uma Devi DV; Shyamasundari K; Hanumantha Rao K
[1980] Riv Parassitol Roma 39 (2-3) 1978 103-112 Issued Jan Wa
Pandarus niger, structure and cytochemistry of oocyte

Biochemistry, Cestoda
Barrett J; Lloyd GM
1981 Parasitology 82 (1) Feb 11-16 Wa
Schistocephalus solidus plerocercoids, possession of taurocyamine phosphotransferase but no detectable phosphagens; neither phosphagens nor phosphagen phosphotransferase activity detected in Fasciola hepatica, Hymenolepis diminuta, Moniezia expansa, or Ligula intestinalis

Biochemistry, Cestoda
Fletcher TC; White A; Baldo BA
1980 Parasite Immunol 2 (4) Winter 237-248 Wa
Bothriocephalus scorpii, antigenic determinants reactive with C-reactive protein (CRP) and with antiserum to phosphorylcholine, this C substance causes skin reaction when injected into Scophthalmus maximus, no evidence for CRP being toxic to worms, possibility that worms exploit host CRP for their own survival

Biochemistry, Cestoda
Frayha GJ; Haddad R
1980 Internat J Parasitol 10 (5-6) Nov-Dec 359-364 Wa
Echinococcus granulosus, protoscolices and hydatid cyst fluid, comparative chemical composition (electrolytes, nucleic acids, proteins, enzymes, nitrogenous waste products, carbohydrates, lipids), first report of sucrose in parasitic helminth

Biochemistry, Cestoda
Insler GD; Roberts LS
1980 J Exper Zool 211 (1) Jan 55-61 Wa
Hymenolepis diminuta, effects of major fermentation acids and of ammonia and urea on incorporation of $^3$H-thymidine into DNA

Biochemistry, Cestoda
Ishii AI; Morimoto K; Sano M
1981 Experientia 37 (3) Mar 15 259-260 Wm
Diphyllobothrium erinacei, calcareous corpuscles, scanning electron microscopy, presence of calcium demonstrated by elemental X-ray analysis, peak of magnesium was weak

Biochemistry, Cestoda
McManus DP
1981 J Helminth 55 (1) Mar 21-27 Wa
Echinococcus granulosus, adult and cystic stages of human and animal origin from Kenya, biochemical composition, metabolic studies, results suggest unusually complex strain situation

Biochemistry, Cestoda
Nemeth I; Juhasz S
1980 Parasitology 80 (3) June 433-446 Wa
Taenia pisiformis, trypsin and chymotrypsin inhibitor from metacestodes

Biochemistry, Cestoda
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1981 Internat J Parasitol 11 (2) Apr 137-144 Wa
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Biochemistry, Cestoda
Reisin IL; Rabito CA; Cantiello HF
1981 Internat J Parasitol 11 (5) Oct 405-410 Wa
Echinococcus granulosus, water and electrolyte balance in protoscoleces incubated in vitro, effect of metabolic inhibitors

Biochemistry, Cestoda
Reisin IL; Rotunno CA
1981 Internat J Parasitol 11 (5) Oct 399-404 Wa
Echinococcus granulosus, water and electrolyte balance in protoscoleces incubated in vitro, general procedures for determination of water, sodium, potassium, and chloride, evidence of active transport mechanism for Na$^+$ and K$^+$

Biochemistry, Cestoda
Sanchez Franco A; Sanchez Acedo C
1971 Rev Iber Parasitol 31 (3-4) July-Dec 347-366 Wa
hydatid cysts, ovine, bovine, human, from different body locations, physical and chemical properties

Biochemistry, Cestoda
Specian RD; Lumsden RD
1981 Ztschr Parasitenk 64 (3) 335-345 Wa
Hymenolepis diminuta, rostellar tegument, histochemical, cytochemical, and autoradiographic studies

Biochemistry, Cestoda
Ubelaker JE
1980 Biol Tapeworm Hymenolepis diminuta 59-156 Wa
Hymenolepis diminuta, structure and ultrastructure of larvae and metacestodes, development, emergence, penetration, chemical composition, external factors influencing development, review

Biochemistry, Cestoda
Watts SDM
1980 Biochem Soc Tr 8 (1) Feb 71-72 Wm
Hymenolepis diminuta, preparation of fraction with tubulin-like properties

Biochemistry, Cestoda
Watts SDM
1981 Biochim et Biophys Acta 667 (1) Jan 30 59-69 Wa
Hymenolepis diminuta, biochemical and pharmacological evidence that colchicine receptor in supernatant fraction of worm homogenate was almost certainly tubulin, refinement of preparation should facilitate further studies on mode of action of certain types of anthelmintics

Biochemistry, Host
Anderson N; Hansky J; Titchen DA
1981 Parasitology 82 (3) June 401-410 Wa
Ostertagia circumcincta-infected sheep, hypergastrinaemia

Biochemistry, Host
Briese LA; Smith MH
1980 J Mamm 61 (4) Nov 763-766 Wa
Mastophorus muris ascaroides in Sigmodon hispidus (stomach), rate of infection varies with host age but not with season or host sex, effect of parasitism on host body composition (15 elements plus fat, ash, and water content) appears to be slight: near Aiken, South Carolina

Biochemistry, Host
Czeczuga B; Urban E
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (7) 557-560 Wa
Dermanyssus gallinae, Menopon gallinae, carotenoids in parasites and in infected hen skin compared, β-carotene metabolism, lowered β-carotene (vitamin A source) in birds

Biochemistry, Host
Deas JE; Adler KA; Wilson LA
1981 Am J Trop Med and Hyg 30 (3) May 544-554 Wa
Plasmodium berghei, effect on membranes of murine erythrocytes, biochemical and immunological analyses, quantitative but not qualitative changes in membrane proteins and glycoproteins, no antigenic changes detected

Biochemistry, Host
El-Shobaki FA et al
1980 Tropenmed u Parasitol 31 (1) Mar 94-98 Wa
Schistosoma mansoni, S. haematobium, Egyptian patients with different degrees of complications, amino acid patterns in plasma and urine

Biochemistry, Host
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1979 Niger Med J 9 (3) Mar 361-365 Wm
Plasmodium berghei, effect of infection on serum proteins and trace element concentrations in rats offered peasant farmer's (low protein) diet

Biochemistry, Host
Findley AM; Blakeney EW jr; Weidner EH
1981 Biol Bull 161 (1) Aug 115-125 Wa
Ameson michaelis-infected Callinectes sapidus, parasite-induced alterations in biochemical composition of host tissues: Louisiana

Biochemistry, Host
Futter GJ et al
1981 J South African Vet Ass 52 (1) Mar 5-14 Wa
B[abesia] felis, cats (nat. and exper.) (blood), chemopathological changes, macroscopic and microscopic post mortem findings

Biochemistry, Host
Ghareeb AM et al
1979 Ain Shams Med J 30 (1-2) Jan-Mar 59-64 Wm
Schistosoma mansoni-infected mice vs. normal mice, changes in liver and brain enzyme activity and blood urea levels

Biochemistry, Host
Goldstein SM; Izaki S; Epstein WL
1979 Thromb Research 16 (5-6) 727-735 Wm
schistosomiasis-infected mice, inhibition of plasminogen activator associated with chronic granulomatous inflammation

Biochemistry, Host
Greichus A; Greichus YA
1980 Internat J Parasitol 10 (2) Apr 89-91 Wa
Ascaris lumbricoides suum, identification and quantification of some elements in nematodes and in swine tissue

Biochemistry, Host
de Gutierrez MV et al
1979 Acta Bioquim Clin Latinoam 13 (4) Dec 421-428 Wa
Chagas disease patients, cerebrospinal fluid, physical, cytological, chemical, and immunological analysis

Biochemistry, Host
Haiba MH; Iskander AR
1979 Vet Med J Giza 26 (26) 1978 177-183 Issued Aug 8 Wa
Ascaridia and Cotugnia-infected and uninfected pigeons, hepatic vitamin A, carotene, serum calcium, inorganic phosphorus, and magnesium levels

Biochemistry, Host
Hall JE; Seed JR
1981 Comp Biochem and Physiol 69B (4) 791-796 Wa
Trypanosoma brucei gambiense, acutely infected mice, quantitation of aromatic amino acid catabolites in urine (presumably resulting from trypanosome catabolism although induction of host pathways may contribute), metabolic disturbance could contribute to pathogenesis of trypanosomiasis, may also prove to be useful diagnostically

Biochemistry, Host
Humphrey JD; Spradbery JP; Tozer RS
1980 Exper Parasitol 49 (3) June 381-397 Wa
Chrysomya bezziana, Brahman-cross steers (exper.), gross and histopathology, clinical syndrome, hematology and biochemistry, bacteriology

Biochemistry, Host
Joseph A et al
1979 Bull Soc Path Exot 72 (1) Jan-Feb 40-50 Wa
Onchocerca volvulus and other filariasis (particularly Dipetalonema perstans), humans, survey (by age) of clinical and parasitological parameters affecting host biochemistry (serum proteins, immunoglobulins, vitamins, minerals): Cameroun

Biochemistry, Host
Katiyar JC; Gupta S; Sen AB
1980 Indian J Exper Biol 18 (11) Nov 1288-1290 Wa
Hymenolepis nana-infected rats, histamine contents of intestines, possible role of excess histamine with regard to immunity and/or physiology

Biochemistry, Host
Maines MD; Senft AW
1981 Am J Trop Med and Hyg 30 (5) Sept 1010-1019 Wa
Schistosoma mansoni-infected mice, hepatic heme biosynthesis and degradation, hepatic hemoprotein content and mixed-function oxidase activities, mechanism of heme degradation, hemoprotein content of heart, serum and urinary iron levels

Biochemistry, Host
O'Kelly JC; Kennedy PM
1981 Brit J Nutrition 45 (3) May 557-566 Wa
Boophilus microplus, British and Africander x British cattle, alterations in body metabolism which would account for loss of body-weight due to specific effect of tick infestation

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Patel NY; Youdeowei A; Odhiambo TR
1981 Insect Sc and Its Applic 1 (4) 383-387 Wa
Glossina morsitans morsitans, composition of salivary gland secretion, findings discussed in relation to nutritional requirements of metacyclic forms of Trypanosoma brucei

Biochemistry, Host
Roth EF jr
1981 Exper Parasitol 51 (1) Feb 116-123 Wa
Babesia microti, hamsters infected from human source, subacute hemolytic anemia, biochemistry and function of erythrocytes (oxygen affinity, organic phosphate content, reduced glutathione status)

Biochemistry, Host
Sander BJ; Kruckeberg WC
1981 Exper Parasitol 52 (1) Aug 1-8 Wa
Plasmodium berghei-infected and normal mouse erythrocytes, concentrations of glycolytic intermediates and related metabolites, data also for uninfected mice with induced reticulocytosis

Biochemistry, Host
Sinha AK; Sahai BN; Prasad G
1978 Indian J Med Research 67 Jan 42-47 Wa
A[ncylostoma] duodenale, A. caninum, pups (exper.), comparative histochemical study of liver, lungs, and small intestine

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Steel JW; Symons LEA; Jones WO
1980 Austral J Agric Research 31 (4) July 821-838 Wa
Trichostrongylus colubriformis-infected lambs, interrelationships between level of exposure to worms, production loss (liveweight gain, wool growth), and host physiological and metabolic changes associated with disease development

Biochemistry, Host
Stringfellow F
1981 J Parasitol 67 (1) Feb 124-126 Wa
Ostertagia ostertagi, repellent effect of gastric contents from uninfected calves for sheathed and exsheathed larvae, may explain how larvae localize only in abomasum

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Valli VEO et al
1980 Tropenmed u Parasitol 31 (3) Sept 288-298 Wa
Trypanosoma congolense in neonatal and 6-month-old calves, quantitation of blood biochemical changes (serum electrolytes and osmolality, serum proteins, lipids, organ function tests)

Biochemistry, Host
Vivares CP; Cuq JL
1981 J Invert Path 37 (1) Jan 38-46 Wa
Thelohania maenadis in Carcinus mediterraneus, effect of infection on certain biochemical components of hemolymph and tissues of host, experimental ecophysiopathological study analysing effect of variations in environmental water temperature and salinity on proteinemia and glucidic metabolism in healthy vs. parasitized crabs: Vic Lagoon, near Montpellier, France

Biochemistry, Host
Whitelaw DD et al
1980 Infect and Immun 27 (3) Mar 707-713 Wa
Trypanosoma congolense in susceptible mouse strain vs. trypanotolerant mouse strain, host survival, parasitemia and anemia, erythrocyte survival, plasma and erythrocyte volumes, blood biochemistry, immunoglobulin levels, immunosuppression, infectivity neutralization tests on sera, results indicate ability of resistant mice to survive is dependent on humoral antibody

Biochemistry, Host
Wong TCS; Desser SS
1980 Canad J Zool 58 (2) Feb 207-214 Wa
Leucocytozoon dubreuili, Turdus migratorius (exper.), pathological alterations of parasitized and non-parasitized hepatocytes and renal proximal tubular cells, acid and alkaline phosphatase activities and glycogen distribution determined in parasite and in infected and noninfected host cells

Biochemistry, Miscellaneous phyla
Kulkarni GK; Nagabhushanam R
1977 Marathwada Univ J Sc (Nat Sc) 16 (9) 241-247 Wa
Poecilobdella viridis, biochemical constituents studied monthly to determine variability in course of reproductive cycle

Biochemistry, Nematoda
Czeczuga B
1981 Hydrobiologia 76 (1-2) Jan 5 13-15 Wa
Gordius aquaticus, presence of carotenoids in specimens from deep wells

Biochemistry, Nematoda
Greichus A; Greichus YA
1980 Internat J Parasitol 10 (2) Apr 89-91 Wa
Ascaris lumbricoides suum, identification and quantification of some elements in nematodes and in swine tissue

Biochemistry, Nematoda
Juhasz S; Kassai T
1981 Molec and Biochem Parasitol 3 (2) June 83-90 Wa
Nippostrongylus brasiliensis, somatic extracts contain protease inhibitor(s) capable of inhibiting activity of trypsin and chymotrypsin, partial purification and characterization

Biochemistry, Nematoda
Leutskaia ZK; Gerasimova NG
1978 Trudy Gel'mintol Lab Akad Nauk SSSR 28 108-115 Wa
Ascaris lumbricoides and other nematodes, steroids, partial review

Biochemistry, Nematoda
Rathaur S; Anwar N; Ghatak S
1980 Ztschr Parasitenk 62 (1) 85-93 Wa
Setaria cervi, microfilariae and adults, biochemical composition

Biochemistry, Nematoda
Sood ML; Kapur J
1980 J Helminth 54 (4) Dec 253-254 Wa
Haemonchus contortus adults, inorganic elements, sex differences

Biochemistry, Nematoda
Trimble JJ III; Thompson SA
1980 Cell and Tissue Research 205 (1) Jan 55-65 Wa
Ascaris suum, intestinal epithelium, strong electronegative charge on microvillar surface and basal membrane believed due to carboxyl groups of uronic acid and/or acidic amino acids

Biochemistry, Protozoa
Aley SB; Scott WA; Cohn ZA
1980 J Exper Med 152 (2) Aug 1 391-404 Wa
Entamoeba histolytica, plasma membrane, isolation and some properties

Biochemistry, Protozoa
Arroyo-Begovich A; Carabez-Trejo A; Ruiz-Herrera J
1980 J Parasitol 66 (5) Oct 735-741 Wa
Entamoeba invadens, cyst wall, isolation and purification, demonstration of microfibrillar component and its identification as chitin

Biochemistry, Protozoa
Bacchi CJ
1981 J Protozool 28 (1) Feb 20-27 Issued June 18 Wa
trypanosomatids, polyamines, content, biosynthesis, function, potential as critical drug targets, symposium presentation

Biochemistry, Protozoa
Bienen EJ; Hammadi E; Hill GC
1981 Exper Parasitol 51 (3) June 408-417 Wa
Trypanosoma brucei brucei, reproducible in vitro system for study of transformation of bloodstream- to procyclic-trypomastigotes, morphological changes, nutritional requirements, respiration

Biochemistry, Protozoa
Colli W; Andrews NW; Zingales B
1981 2 Internat Cong Cell Biol (Berlin (West) Aug 31-Sept 5 1980) 401-410 Wm; Wa
Trypanosoma cruzi, overall chemical composition of epimastigote plasma membrane, surface glycoproteins, binding of host proteins to surface, attempts to discriminate between adhesion and penetration to in vitro cultured mammalian cells, review

Biochemistry, Protozoa
Dwyer DM
1980 J Protozool 27 (2) May 176-182 Issued July 17 Wa
Leishmania donovani promastigotes, surface membranes, technique for isolation, partial characterization

Biochemistry, Protozoa
Dwyer DM; D'Alesandro PA
1980 J Parasitol 66 (3) June 377-389 Wa
Trypanosoma lewisi bloodstream forms, pellicular membrane-microtubule complexes, isolation and characterization

Biochemistry, Protozoa
Franco da Silveira J; Colli W
1981 Biochim et Biophys Acta 644 (2) June 22 341-350 Wm
Trypanosoma cruzi, chemical composition of plasma membrane from epimastigote forms

Biochemistry, Protozoa
Gutteridge WE
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 484-492 Wa
Trypanosoma cruzi, recent biochemical advances, review (methodology, biochemical composition, catabolic metabolism, anabolic metabolism)

Biochemistry, Protozoa
Hirayama K et al
1980 Biochim et Biophys Acta 612 (2) Apr 11 337-343 Wa
Crithidia fasciculata, detection of dihydropteridine reductase and tetrahydropterin

Biochemistry, Protozoa
James S
1980 Parasitology 80 (2) Apr 301-312 Wa
Eimeria necatrix, E. tenella, isolation of second-generation schizonts and their use in biochemical investigations (ability to metabolize radio-labelled glucose and accumulate thiamine against concentration gradient, characterization of serine hydroxymethyl transferase activity which is significantly different from that of host tissue)

Biochemistry, Protozoa
Johnson AM; McDonald PJ; Neoh SH
1981 Biochem and Biophys Research Commun 100 (3) June 16 934-943 Wa
Toxoplasma gondii, molecular weight analysis of major polypeptides and glycopeptides

Biochemistry, Protozoa
Kazakauskaite IaS
1980 Tsitologiia 22 (7) July 850-855 Wa
Sarcocystis ovifelis, cysts and cyst stages (merozoites), morphology, cytochemistry

Biochemistry, Protozoa
de Lederkremer RM et al
1980 FEBS Letters 116 (1) July 14 25-29 Wm
Trypanosoma cruzi, evidence for presence of D-galactofuranose in lipopeptidophosphoglycan, modification and tritium labeling

Biochemistry, Protozoa
de Lederkremer RM et al
1980 Medicina Buenos Aires 40 Suppl (1) 245-247 Wm
Trypanosoma cruzi, lipopeptidophosphoglycan, variation of the sphingosine bases

Biochemistry, Protozoa
Mancini PE; Patton CL
1981 Molec and Biochem Parasitol 3 (1) May 19-31 Wa
Trypanosoma brucei brucei, parasite strain-related pattern of cyclic 3',5'-adenosine monophosphate changes during parasite developmental cycle in normal and immunosuppressed rats, possible regulatory role of cyclic AMP in differentiation of trypanosomes

Biochemistry, Protozoa
Morrow CD; Flory B; Krassner SM
1980 Comp Biochem and Physiol 66B (2) 307-311 Wa
Leishmania donovani, polyamine changes during transformation, evidence for spermine in amastigote stage; ornithine decarboxylase activity in all stages

Biochemistry, Protozoa
Morrow CD; Flory-Granger B; Krassner SM
1981 Comp Biochem and Physiol 69A (1) 65-72 Wa
Leishmania donovani, effect of ionophores A23187 and X-537A (lasalocid) and of divalent cations $Ca^{2+}$, $Ba^{2+}$, and $Mn^{2+}$ on amastigote to promastigote transformation

Biochemistry, Protozoa
Reeves RE; Guthrie JD; Lobelle-Rich P
1980 Exper Parasitol 49 (1) Feb 83-88 Wa
Entamoeba histolytica, isolation and properties of ferredoxin (low molecular weight iron-sulfur protein)

Biochemistry, Protozoa
Rovis L; Baekkeskov S
1980 Parasitology 80 (3) June 507-524 Wa
Trypanosoma brucei, subcellular fractions, isolation, partial purification, chemical and enzymatic characterization, special emphasis on plasma membranes

Biochemistry, Protozoa
Sander BJ; Kruckeberg WC
1981 Exper Parasitol 52 (1) Aug 1-8 Wa
Plasmodium berghei-infected and normal mouse erythrocytes, concentrations of glycolytic intermediates and related metabolites, data also for uninfected mice with induced reticulocytosis

Biochemistry, Protozoa
Sherman IW
1979 Microbiol Rev 43 (4) Dec 453-495 Wa
Plasmodium, life cycle, biochemical determinants of parasite specificity for host cells, morphology and growth of blood stages, morphological alterations of infected cells, membrane structure and function in malaria, metabolic pathways (carbohydrate transport and metabolism; nucleic acids; protein synthesis; lipid biosynthesis; vitamins and cofactors; cation alterations), review

Biochemistry, Protozoa
Smith GM; Pettigrew GW
1980 European J Biochem 110 (1) Sept 1 123-130 Wm
Crithidia oncopelti, identification of N, N-dimethylproline as N-terminal blocking group of cytochrome $c_{557}$

Biochemistry, Protozoa
Souto-Padron T et al
1980 Ztschr Parasitenk 62 (2) 127-143 Wa
Leptomonas samueli, promastigotes, fine structure, cytochemistry

Biochemistry, Protozoa
de Souza W; Souto-Padron T
1980 J Parasitol 66 (2) Apr 229-235 Wa
Trypanosomatidae spp., flagellum, fine structure and cytochemistry, paraxial structure

Biochemistry, Protozoa
Takahashi Y; Sherman IW
1980 Exper Parasitol 49 (2) Apr 233-247 Wa
Plasmodium lophurae, lectin-mediated agglutination of infected red cells, cytochemical fine-structure detection of lectin binding sites on parasite and host cell membranes

Biochemistry, Protozoa
Wong TCS; Desser SS
1980 Canad J Zool 58 (2) Feb 207-214 Wa
Leucocytozoon dubreuili, Turdus migratorius (exper.), pathological alterations of parasitized and non-parasitized hepatocytes and renal proximal tubular cells, acid and alkaline phosphatase activities and glycogen distribution determined in parasite and in infected and non-infected host cells

Biochemistry, Trematoda
Barrett J; Lloyd GM
1981 Parasitology 82 (1) Feb 11-16 Wa
Schistocephalus solidus plerocercoids, possession of taurocyamine phosphotransferase but no detectable phosphagens; neither phosphagens nor phosphagen phosphotransferase activity detected in Fasciola hepatica, Hymenolepis diminuta, Moniezia expansa, or Ligula intestinalis

Biochemistry, Trematoda
Fried B; Butler CS
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 395-400 Wa
Fasciola hepatica metacercariae, chemical excystation, development on chorioallantoic membrane, histochemical and thin layer chromatographic analyses of neutral lipids

Biochemistry, Trematoda
Gaur AS; Agarwal SM
1980 Indian J Exper Biol 18 (12) Dec 1518-1519 Wa
Paramphistomum cervi, quantitative studies of total protein, glycogen, lipids, cholesterol, and inorganic K, Na, and Ca, qualitative studies on free amino acids and sugars

Biochemistry, Trematoda
Goil MM
1980 Ztschr Parasitenk 61 (3) 271-275 Wa
Fasciola gigantica, Paramphistomum explanatum, presence of 3 phosphagens, phosphokinases involved in transphosphorylation of these phosphagens studied in terms of specific activity and response to certain important inhibitors

Biochemistry, Trematoda
Kanwar U; Agrawal M; Nath V
1980 Zool Polon 28 (2) 189-198 Wa
Gastrothylax crumenifer, Ceylonocotyle dawesi, non-enzymatic components in ovary, cytochemical analysis

Biochemistry, Trematoda
Kanwar U; Kansal M
1980 J Helminth 54 (4) Dec 263-266 Wa
Paramphistomum epiclitum, Paradistomoides orientalis, prostate glands, cytochemistry

Biochemistry, Trematoda
Lutz PL; Iversen ES; Tocci PM
1981 J Parasitol 67 (2) Apr 280-281 Wa
Hirudinella ventricosa, protonephridial fluid, pH, chloride ion concentration, osmotic pressure, amino acid composition

Biochemistry, Trematoda
Siddiqui AA; Nizami WA
1981 J Helminth 55 (2) June 89-93 Wa
Clinostomum complanatum, metacercariae, biochemical composition and carbohydrate metabolism

Biochemistry, Trematoda
Simpson AJG et al
1981 Parasitology 83 (1) Aug 163-177 Wa
Schistosoma mansoni, tegumental outer membrane of adult worms, method for isolation, partial biochemical and morphological characterization

Biogeography See Geographic distribution

Biological clocks See Periodicity

Biological control
Akhtar R; Hayes CG; Baqar S
1981 J Parasitol 67 (4) Aug 571-573 Wa
Nosema algerae-infected and uninfected Culex tritaeniorhynchus, comparison of susceptibility to infection with West Nile virus and of ability to transmit virus; results indicate that if N. algerae were used as biological control agent for anopheline vectors of malaria in Pakistan, the infection of C. tritaeniorhynchus with this parasite should not result in increased level of West Nile virus activity

Biological control
Anderson RM; May RM
1980 Science (4470) 210 Nov 7 658-661 Wa
infectious diseases (including protozoa) and population cycles of forest insects, models combining elements of conventional epidemiology with dynamic elements drawn from predator-prey studies

Biological control
Andreadis TG
1980 J Invert Path 35 (3) May 229-233 Wa
Nosema pyrausta, a parasite of Ostrinia nubilalis, may limit or prevent establishment of Macrocentrus grandii populations in Ostrinia nubilalis: Hamden, Connecticut

Biological control
Asitinskaia SE
1975 Parazitologiia Leningrad 9 (5) Sept-Oct 432-433 Wa
Ascaris suum, role of various mollusks as benthos components in ridding water bodies of eggs

Biological control
Ataur-Rahim M
1981 Ann Trop Med and Parasitol 75 (3) June 359-362 Wa
Aphanius dispar (cyprinodontid fish) will eat mosquito larvae, possible practical value in mosquito control and anti-malarial work in Saudi Arabia

Biological control
Bailey DL et al
1980 Am J Trop Med and Hyg 29 (1) Jan 141-149 Wa
technique for mass rearing genetically-altered MACHO strain of Anopheles albimanus that produces virtually all males

Biological control
Balaraman K; Jambulingam P; Rajagopalan PK
1981 Indian J Med Research 73 Suppl Jan 160-162 Wa
Metarrhizum anisopliae, highly entomotoxic to local strains of Culex filariasis vectors and Anopheles malaria vectors in Pondicherry, India

Biological control
Bartoli P
[1975] Bull Soc Zool France 99 (4) 1974 551-559 Issued Feb 28 Wa
Gymnophallus choledochus in Nereis diversicolor, competitive exclusion by experimental infection with G. nereicola: Calvados (Manche)

Biological control
Bedding RA; Miller LA
1981 Environment Entom 10 (4) Aug 449-453 Wa
Neoaplectana bibionis, use for disinfesting blackcurrant cuttings of Synanthedon tipuliformis, considerably more effective than N. carpocapsae or Heterorhabditis heliothidis, feasible for commercial scale use

Biological control
Brooks WM et al
1980 J Invert Path 35 (1) Jan 93-95 Wa
microsporidioses of soybean beetle pests

Biological control
Bullini L
1977 Parassitologia 19 (3) Dec 175-180 Wa
insect vectors, biological and genetic control methods, review

Biological control
Burman M; Pye AE
1980 Exper Parasitol 49 (2) Apr 258-265 Wa
Neoaplectana carpocapsae, movements of infective juveniles on thermal gradient, implications for dispersion and infection of insect larvae in field

Biological control
Castello JA; Gil Rivas MJJ
1980 Medicina Buenos Aires 40 (6 pt 1) Nov-Dec 673-677 Wm
Tarentola mauritanica (Moorish gecko) as possible biological control agent for Triatoma infestans vector of human Chagas infections: Argentina

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Biological tags See Tagging

Biometrics See Technique, Statistical methods

Bionomics See Ecology

Bladder See Urine and urinary tract

Blindness See Eye

Blood [See also Anemia; Basophils; Cardiovascular system; Disease transmission, Blood; Eosinophils; Erythrocytes; Globule leukocytes; Granulocytes; Hemocytes; Hemoglobin; Hemorrhage; Leukocytes; Lymphocytes; Monocytes; Neutrophils]

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Giardia lamblia-infected children vs. noninfected children, serum vitamin A and β-carotene levels, indications that there may be malabsorption of vitamin A and that low serum vitamin A levels may be found in infected children, recommends supplementary vitamin A given with antigiardia agent: Thailand

Blood
Chhabra MB; Mahajan RC; Ganguly NK
1980 Indian Vet J 57 (8) Aug 627-631 Wa
Toxoplasma gondii, RH strain vs. local human isolates, mice (exper.), antibody response and serum protein alterations determined by indirect haemagglutination test and electrophoresis respectively, rise in gamma-globulins in later stages appeared to indicate developing immune response

Blood
Clayton CE et al
1980 Infect and Immun 28 (3) June 824-831 Wm
Trypanosoma b. brucei, mice, cellular proliferation and functional depletion in blood, peritoneum, and spleen related to changes in bone marrow stem cells

Blood
Collins GH; Sutton RH; Charleston WAG
1980 N Zealand Vet J 28 (8) Aug 156-158 Wa
Sarcocystis sp. in goats infected with dog-derived sporocysts, haematology, indirect fluorescent antibody test, pathology

Blood
Costa JS et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 246-260 Wm
Schistosoma mansoni-infected mice, growth, blood picture, histology of glands and reproductive organs, effect of splenectomy

Blood
Date A et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 137 Wa
patients with filarial chyluria, lymphocytopenia

Blood
Dubey JP et al
1981 J Am Vet Med Ass 178 (7) Apr 1 683-699 Wa
Sarcocystis capracanis, goats (exper.), clinical signs, pathologic and hematologic findings

Blood
El-Hawey AM et al
1978 J Egypt Med Ass 61 (3-4) 299-311 Wm
schistosomiasis, patients, patterns of hepatic fibrosis and their relationship to serum histamine levels, parameters measured before and after oxamniquine or tartar emetic therapy: Egypt

Blood
El-Shobaki FA et al
1980 Tropenmed u Parasitol 31 (1) Mar 94-98 Wa
Schistosoma mansoni, S. haematobium, Egyptian patients with different degrees of complications, amino acid patterns in plasma and urine

Blood
Ette SI; Dickerson JWT
1979 Niger Med J 9 (3) Mar 361-365 Wm
Plasmodium berghei, effect of infection on serum proteins and trace element concentrations in rats offered peasant farmer's (low protein) diet

Blood
Eysker M; Ogunsusi RA
1980 Research Vet Sc 28 (1) Jan 58-62 Wa
Haemonchus contortus, Trichostrongylus spp., sheep, epidemiological and clinical aspects during rainy season: northern Nigeria

Blood
Fayer R; Prasse KW
1981 Vet Path 18 (3) May 351-357 Wa
Sarcocystis bovicanis, acute infection in calves (exper.), qualitative and quantitative changes in cellular and serologic components of blood

Blood
Ferrante FM; Pike EH
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 795-797 Wa
Schistosoma mansoni-infected mice, malate dehydrogenase isoenzymes of liver and plasma

Blood
Foreyt WJ; Todd AC
1979 J Wildlife Dis 15 (1) Jan 83-89 Wa
Fascioloides magna in Odocoileus virginianus (exper.), hematologic and biochemical values, weight gains

Blood
Franco ELF; de Souza AVR
1979 Rev Inst Med Trop S Paulo 21 (4) July-Aug 161-165 Wm
Schistosoma mansoni, mice, blood leukocyte pattern, serum proteins, blood urea and glucose

Blood
Futter GJ et al
1981 J South African Vet Ass 52 (1) Mar 5-14 Wa
B[abesia] felis, cats (nat. and exper.) (blood), chemopathological changes, macroscopic and microscopic post mortem findings

Blood
Futter GJ; Belonje PC; van den Berg A
1980 J South African Vet Ass 51 (4) Dec 271-280 Wa
B[abesia] felis, cats (nat. and exper.), haematological changes

Blood
Gajanana A et al
1981 Indian J Med Research 73 Suppl Jan 97-106 Wa
Wuchereria bancrofti, infected and non-infected humans living under similar environmental conditions, assay of E and EAC rosette forming peripheral lymphocytes as well as total and differential WBC counts, neutropenia, eosinophilia, and unaltered lymphocyte counts observed in infected group: Pondicherry, India

Blood
Gloria-Bottini F
1980 Experientia 36 (5) May 15 541-543 Wa
relations between G-6-PD deficiency, thalassemia, and malaria: Sardinia; Po Valley

Blood
Goodger BV; Bremner KC
1979 Ztschr Parasitenk 60 (3) 239-247 Wa
Oesophagostomum radiatum-infected cattle (exper.), presence of cryofibrinogen complex in plasma, suggested mechanism of formation and role in pathophysiology of infection

Blood
Goodger BV; Wright IG
1979 Ztschr Parasitenk 60 (3) 211-220 Wa
Babesia bovis (argentina)-infected cattle (exper.), isolation of fibrogen and fibrogen-like proteins from plasma and serum, sizes and chain structure of these proteins consistent with hypothesis that fibrin cross-linking and subsequent fibrinolysis is not important in pathogenesis of infection

Blood
Goodger BV; Wright IG; Mahoney DF
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 179-188 Wa
Babesia bovis (argentina), acutely infected cattle, analysis of paracoagulation proteins in plasma and serum, not correct to diagnose disseminated intravascular coagulation per se on basis of positive reaction with protamine sulphate or ethanol

Blood
Goodger BV; Wright IG; Mahoney DF
1981 Austral J Exper Biol and Med Sc 59 (5) Oct 531-538 Wa
Babesia bovis, acutely infected cattle, pathophysiology, changes in conglutinin, immunoconglutinin, complement C3, and fibronectin concentrations

Blood
Goodger BV; Wright IG; Mahoney DF
1981 Ztschr Parasitenk 65 (3) 271-276 Wa
Babesia bovis (argentina), Bos taurus (exper.), acute infections, alterations in plasma lipid and lipoprotein metabolism

Blood
Greenblatt CL et al
1981 Lancet London (8218) 1 Feb 28 505-506 Wa
evidence to support hypothesis that leishmanial parasites may utilize system of camouflage or mimicry of host blood group antigens to evade host defense mechanisms

Blood
Greene CE; Prestwood K; Tsang VC
1981 J Parasitol 67 (5) Oct 730-731 Wa
Haemonchus contortus does not appear to inhibit intrinsic or extrinsic blood coagulation as mechanism for producing blood loss

Blood
Griffin L
1980 Vet Parasitol 7 (2) Sept 123-131 Wa
Haemonchus contortus, sheep of different hemoglobin types (exper.), phenothiazine treatment shortly after patency, faecal egg output, haematological indices, and worm burden (of arrested larvae and adults) at intervals after infection; removal of adult worms by treatment did not stimulate resumption of development of arrested larvae, hemoglobin type may be factor in arrest of larvae as it is in resistance to adult worms

Blood
Griffin L et al
1981 J Comp Path 91 (1) Jan 97-103 Wa
Trypanosoma congolense, Haemonchus contortus, 2 breeds of goat (Saanen x Galla and East African), mixed vs. single infections, red cell destruction rate, erythropoietic response of femoral bone marrow

Blood
Gronstol H; Overaas J
1980 Acta Vet Scand 21 (4) 523-532 Wa
Eperythrozoon ovis, lambs (exper.), resulting haemolytic anaemia and acidosis may predispose for listeric septicaemia, but not for listeric meningo-encephalitis, immune response

Blood
Guggenmoos-Holzmann I; Bienzle U; Luzzatto L
1981 Internat J Epidemiol 10 (1) Mar 16-22 Wm
Plasmodium falciparum, children under age 6, incidence and severity of infection with respect to haemoglobin types and red cell glucose-6-phosphate dehydrogenase variants, results suggest that the presence of these genetic traits offers selective advantage against infections, possible mechanisms discussed

Blood
Gujral S et al
1981 J Parasitol 67 (5) Oct 758-759 Wa
Ancylostoma ceylanicum-infected golden hamsters, altered serum lipid profile, increased turbidity of serum, anemia

Blood
Haiba MH; Iskander AR
1979 Vet Med J Giza 26 (26) 1978 177-183 Issued Aug 8 Wa
Ascaridia and Cotugnia-infected and uninfected pigeons, hepatic vitamin A, carotene, serum calcium, inorganic phosphorus, and magnesium levels

Blood
Haller L
1980 Acta Trop 37 (4) Suppl 11 Dec 74-89 Wa
anemia in school children, study of etiology, includes information on blood values in relation to parasitism: Ivory Coast

Blood
Hambrey PN; Tizard IR; Mellors A
1980 Tropenmed u Parasitol 31 (4) Dec 439-443 Wa
Trypanosoma brucei-infected rabbits, accumulation of phospholipase $A_1$ (of trypanosomal origin) in tissue fluid, also detected in blood plasma but at a lower level, possible contribution to pathology

Blood
Hammerberg B; Dangler C; Williams JF
1980 J Parasitol 66 (4) Aug 569-576 Wa
Taenia taeniaeformis, chemical composition of parasite factors affecting coagulation and complement cascades

Blood
Hashemi-Nasab A; Zadeh-Shirazi H
1980 J Trop Med and Hyg 83 (3) June 119-122 Wa
visceral leishmaniasis (kala-azar), 130 cases, age and sex distribution, clinical and haematological data, mortality rate, complications, response to therapy, use of immunofluorescence for diagnosis: Fars Province, Iran

Blood
Hinz E
1979 Tropenmed u Parasitol 30 (3) Sept 387-390 Wa
Echinococcus multilocularis, mice, intraperitoneal primary infection inhibits growth of subcutaneous superinfection; intraperitoneal primary infection is responsible for variations in serum proteins, white blood cell counts, and hemoglobin content

Blood
Hitzeroth HW; Bender K
1980 Human Genet 54 (2) 233-242 Wm
[Plasmodium] falciparum, South African Negroes belonging to 7 different ethnic groups, high geographic co-distribution and interrelationship of G-6-PD deficiency and the occurrence of falciparum malaria in South Africa

Blood
Horstmann RD et al
1981 Blut 42 (3) Mar 157-164 Wm
P[lasmodium] falciparum, P[lasmodium] vivax, patients before and after schizontocidal treatment, haematological, coagulation, and parasitological parameters, thrombocytopenia due to shortened life span of platelets in peripheral blood

Blood
Hubert J; Kerboeuf D; Gruener L
1979 Ann Recherches Vet 10 (4) 503-518 Wa
gastrointestinal nematodes, sheep, monthly prevalence, thiabendazole-treated vs. nontreated groups, host growth, parasite counts, coproscopical examination, plasma pepsinogen levels: North Limousin area, France

Blood
Humphrey JD; Spradbery JP; Tozer RS
1980 Exper Parasitol 49 (3) June 381-397 Wa
Chrysomya bezziana, Brahman-cross steers (exper.), gross and histopathology, clinical syndrome, hematology and biochemistry, bacteriology

Blood
Hutchinson GW
1981 Research Vet Sc 30 (2) Mar 175-180 Wa
Stephanurus dentatus, pigs (exper.), prepatent infection, haematological parameters and liver-specific serum enzymes, effect of treatment with flubendazole, levamisole, and disophenol, liver damage is insufficiently traumatic to release sufficient enzymes into serum to be pathognomonic or to assess anthelmintic efficacy

Blood
Ishihara K et al
1981 Japan J Vet Sc 43 (1) Feb 1-11 Wa
dirofilariasis, dogs with hemoglobinuria vs. normal dogs and dogs with chronic serious filariasis without hemoglobinemia and hemoglobinuria, hemolysis, lipid alterations in blood serum and red cell membrane

Blood
Jenkins GC et al
1980 J Comp Path 90 (1) Jan 107-121 Wa
Trypanosoma brucei brucei, rabbits, anemia, blood values, evidence for haemolysis

Blood
Jokipii L; Jokipii AMM
1980 Am J Trop Med and Hyg 29 (1) Jan 5-7 Wa
Giardia lamblia, human, no evidence that predisposition to disease was associated with ABO blood groups

Blood
Kaaya GP et al
1980 Tropenmed u Parasitol 31 (2) June 232-238 Wa
Trypanosoma congolense, sera from infected calves inhibited bovine granulocyte/macrophage (but not erythroid) colony formation in vitro, partial characterization of inhibitory factor; sonicated T. brucei, T. congolense, or T. theileri added directly into cultures had no effect on granulocyte/macrophage colony formation but enhanced erythroid colony formation

Blood
Khan RA; Barrett M; Campbell J
1980 J Wildlife Dis 16 (3) July 359-361 Wa
Trypanosoma murmanensis in Myoxocephalus octodecemspinosus (exper.), hematological parameters, persistent anemia despite low parasitemias

Blood
Khorsandi HO; Tabibi V
1978 Bull Soc Path Exot 71 (1) Jan-Feb 95-100 Wa
Echinococcus granulosus, comparative analysis (electrophoresis, immunoelectrophoresis, biochemical tests) of hydatid cyst fluid and human host sera revealed similarities in protein patterns

Blood
Kimmig P; Piekarski G; Heydorn AO
1979 Immun u Infekt 7 (5) Nov 170-177 Wm
Sarcocystis suihominis, human volunteers infected by eating infected raw pork, symptoms and clinical findings, laboratory findings

Blood
Kono I et al
1980 Bull Fac Agric Kagoshima Univ (30) Mar 105-110 Wa
Babesia gibsoni, dogs (exper.), hematology

Blood
Lal DM; Hussain QZ
1978 Indian J Med Research 67 Mar 362-366 Wa
Plasmodium berghei-infected albino mice, changes in transaminase activity in plasma and liver

Blood
Lawson BM et al
1980 Tropenmed u Parasitol 31 (4) Dec 425-434 Wa
Trypanosoma congolense, in vitro culture of myeloid and erythroid bone marrow cells from infected calves

Blood
Liddell KG; Lucas SB; Williams H
1981 Parasitology 82 (2) Apr 205-224 Wa
Babesia divergens (strain isolated from fatal human case)-infected Meriones unguiculatus, useful laboratory host: general course of disease, cryopreservation of infected blood, host adaptation/parasite virulence during semi-continuous passage, parasite morphology, haematological, blood biochemical, and pathological findings, immunity of recovered animals to further challenge

Blood
Li Volti S; Fischer A; Musumeci S
1980 Acta Trop 37 (4) Dec 351-365 Wa
Leishmania donovani, kala-azar patients aged 6 months to 12 years, hematological and serological alterations

Blood
Lloyd S
1980 Ztschr Parasitenk 61 (3) 213-221 Wa
Taenia saginata, calves, primary infection, treatment with albendazole, and challenge infection, haematological response, antigen-induced lymphocyte responsiveness

Blood
Lowe-Jinde L
1980 J Fish Biol 17 (1) July 23-30 Wa
Cryptobia salmostica-infected Salmo gairdneri (exper.), changes in size, glycogen content of certain vital organs and blood lactic acid and dehydrogenase levels

Blood
Luffau G; Pery P; Petit A
1981 Vet Parasitol 9 (1) Oct 57-67 Wa
Haemonchus contortus, sheep with AA vs. BB hemoglobin types infected once or several times before challenge, attempt to distinguish between self-cure and resistance to reinfection phenomena

Blood
Lushbaugh WB et al
1981 Am J Trop Med and Hyg 30 (3) May 575-585 Wa
Entamoeba histolytica, inhibition of parasite cytotoxin by alpha-1 antiprotease and alpha-2 macroglobulin from non-immune sera, results suggest that amebal toxin has protease activity

Blood
McCrorie P et al
1980 J Comp Path 90 (1) Jan 123-137 Wa
Trypanosoma brucei brucei, splenectomized rabbits, anemia, hematological study of role of spleen

Blood
Mahoney DF; Wright IG; Goodger BV
1980 Ztschr Parasitenk 62 (1) 39-45 Wa
Babesia bovis, changes in haemolytic activity of serum complement during acute infection of susceptible and immunized Bos taurus (exper.), activity of alternative pathways, effect of kinin inhibition

Blood
Marsden PD et al
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 314-315 Wa
Leishmania chagasi in Callithrix jacchus jacchus (exper.) as possible model for American visceral leishmaniasis, course of disease, no consistent coagulation defects occurred

Blood
Maspes V; Tamigaki M
1979 Rev Saude Pub S Paulo 13 (4) Dec 357-365 Wm
ancylostomiasis, patients with anemia and high rate of parasitism, hematologic variations, importance of iron reabsorption in intestinal hemorrhage

Blood
Maspes V; Tamigaki M
1980 Rev Hosp Clin S Paulo 35 (2) Apr 60-66 Wm
ancylostomiasis, humans with anemia consequent to parasitic infections, blood parameters, application of these parameters to determination of degree of anemia

**Blood**
**Mathews HM; Armstrong JC**
**1981 Am J Trop Med and Hyg 30 (2) Mar 299-303 Wa**
**Plasmodium vivax, prevalence in representatives of 2 ethnic groups, results support hypothesis relating Duffy-negative blood type with refractoriness to vivax malaria; relative prevalence of 3 other Plasmodium spp.: Ethiopia**

Blood
Maurois P et al
1980 Ann Trop Med and Parasitol 74 (1) Feb 17-28 Wa
Plasmodium spp., strains of varying virulence, mice, kinetic study of serum lipoproteins, total cholesterol, and triacylglycerides

Blood
Mehrotra P; Singh T
1979 J Entom Research 3 (1) June 57-59 Wa
Haematopinus tuberculatus-infected Camelus dromedarius, haematology, blood chemistry, anemia: Bikaner

Blood
Meyers TR; Millemann RE; Fustish CA
1980 J Parasitol 66 (2) Apr 274-281 Wa
Margaritifera margaritifera-infected Oncorhynchus kisutch vs. O. tshawytscha, hematology, infection intensities, parasite growth, histopathology, in vitro tests (attachment to excised gills; survival in fish mucus and plasma), serology

**Blood**
**Minami T et al**
**1980 National Inst Animal Health Quart Tokyo 20 (2) Summer 44-52 Wa**
**Theileria sergenti, comparison of Japanese and Russian strains in cattle: morphology, clinical and hematologic findings, transmission by Haemaphysalis longicornis, serology in complement fixation and indirect fluorescent antibody tests**

Blood
Mincis M et al
1980 AMB Rev Ass Med Brasil 26 (11) Nov 363-365 Wm
Schistosoma mansoni, human, electrophoretic blood protein profile (beta-gamma area and H fraction), comparison to patients with cirrhosis and connective tissue diseases

Blood
Mohammed MA et al
1979 Vet Med J Giza 25 (25) 1977 435-445 Issued Jan 14 Wa
Eimeria tenella, chickens (exper.), electrophoretic pattern of serum proteins and changes in some serum constituents and vitamin storage in liver during course of infection and recovery phase

**Blood**
**Moore DJ; Williams MC**
**1979 J South African Vet Ass 50 (4) Dec 265-275 Wa**
**Babesia canis, dogs, detailed examination of mild and severe clinical cases, marked thrombocytopenia, disseminated intravascular coagulation exhibited in severe cases, haematological and coagulation findings, macro- and microscopic pathology**

Blood
Mossalam I; Abdel Ghani M; Mansour SA
1979 Vet Med J Giza 26 (26) 1978 241-250 Issued Aug 8 Wa
Neoascaris vitulorum, guinea pigs, blood picture; role of migrating larvae in transmission of micro-organisms

**Blood**
**Musumeci S et al**
**1981 Tr Roy Soc Trop Med and Hyg 75 (2) 304-305 Wa**
**visceral leishmaniasis, children, haematological data (including immunoglobulin levels), lymphocyte subpopulations, K cell activity**

**Blood**
**Nagel RL et al**
**1981 J Clin Invest 68 (1) July 303-305 Wa**
**Plasmodium falciparum, impairment of growth in HbEE erythrocytes, might be advantageous to carrier in regions with endemic malaria**

**Blood**
**Obi TU; Anosa VO**
**1980 Zentralbl Vet Med Reihe B 27 (9-10) 789-797 Wa**
**protozoan and helminth diseases in undernourished cattle, clinical and haematological manifestations: Nigeria**

Blood
Ogunrinade AF; Bamgboye EA
1980 Brit Vet J 136 (5) Sept-Oct 457-462 Wa
Fasciola hepatica, cattle, correlation of haematological findings with worm burdens, results indicate that degree of anaemia is related to intensity of infection: Nigeria

Blood
O'Kelly JC
1980 Vet Parasitol 6 (4) Mar 381-390 Wa
effects of natural parasitic infestations (treated and untreated) on body growth and blood composition of 3 breeds of cattle grazing in a tropical environment: Belmont, Australia

Blood
Oormazdi H; Baker KP
1980 Brit Vet J 136 (2) Mar-Apr 146-153 Wa
Linognathus vituli, Bovicola bovis, calves (exper.), no significant effect on haemoglobin levels, packed cell volumes, erythrocyte or leucocyte counts, or weight gains, increased number of eosinophils; concluded that pediculosis is of economic importance in the Republic of Ireland because of resulting hide damage

Blood
Orjih AU et al
1981 Science (4521) 214 Nov 6 667-669 Wa
Plasmodium berghei, parasites isolated from mouse erythrocytes are lysed by hemin or by chloroquine-hemin complex, effect of hemin may explain protection against malaria provided by thalassemia and other conditions causing intracellular denaturation of hemoglobin, toxicity of chloroquine-hemin complex may explain selective antimalarial action of chloroquine

Blood
Panday RS et al
1981 Vet Quart 3 (1) Jan 25-30 Wa
Dirofilaria immitis, dogs (peripheral blood), incidence survey (1977-1978), relationship between presence of microfilariae and host age, sex, breed, residence, clinical symptoms, liver and kidney function blood values, and presence of antibodies using indirect fluorescent antibody test: Surinam

Blood
Pathak KML; Gaur SNS
1981 Vet Parasitol 8 (1) Feb 95-97 Wa
Cysticercus tenuicollis (Taenia hydatigena), goats (exper.), serum levels of GOT, GPT, and OCT enzymes, possible diagnostic significance

Blood
Patwari A et al
1979 Indian Pediat 16 (8) Aug 665-667 Wm
Plasmodium vivax, children, serum haptoglobins measured by paper electrophoresis, values lower than normal in children with hemolytic anemia or hepatic dysfunction

Blood
Paull NI; et al
1980 Austral Vet J 56 (6) June 267-271 Wa
Anaplasma marginale, Bos indicus-cross calves, epidemiologic aspects in 2 endemic areas, clinical, haematological, and serological responses in vaccinated and unprotected calves, seasonal activity of Boophilus microplus, complement fixation test most effective in detection of recent infections: northern Queensland

Blood
Pedro RJ; Amato Neto V; de Mendonca JS
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 125-129 Wm
toxoplasmosis, humans with acquired lymphoglandular infections, blood changes as measure of hepatic injury, useful in differential diagnosis

Blood
Pepys MB et al
1980 Immunology 39 (2) Feb 249-254 Wa
Schistosoma mansoni, mice, effect of T-cell deprivation on formation of hepatic granulomata and serum levels of acute phase proteins (C3 and serum amyloid P-component)

Blood
Poelvoorde J; Berghen P
1981 Research Vet Sc 31 (1) July 10-13 Wa
Oesophagostomum dentatum, repeated daily mass infection in pigs fed limited ration, severe diarrhoea and anorexia, average body-weights, blood and plasma analyses, histopathology of ileum, colon, and caecum, number of larvae in incubated and digested tissue and total number of larvae in intestinal lumen

Blood
Powell MB et al
1980 Am J Vet Research 41 (6) June 877-882 Wa
Otodectes cynotis, cats (nat. and exper.), reaginic hypersensitivity, precipitating antibodies, hematologic indices; mode of feeding requires ingesting feline tissue fluids and is route by which parasite antigens are presented to host

Blood
Prasse KW; Fayer R
1981 Vet Path 18 (3) May 358-367 Wa
acute Sarcocystis bovicanis infection in calves (exper.), serum biochemistry and hemostasis studies

Blood
Przyjalkowski Z; Cabaj W; Kontny E
1979 Zentralbl Bakteriol 1 Abt Suppl (7) 181-187 Wa
Trichinella pseudospiralis, germfree and conventional mice, course of infection, hematological and serological changes, humoral response determined by immunodiffusion and hemagglutination tests; ". . .it seems unjustified to distinguish the two types of Trichinella [spiralis and pseudospiralis] as separate species only on the basis of the presence of the envelope sheathing T. spiralis larvae"

Blood
Przyjalkowski Z; Kontny E; Cabaj W
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 87-93 Wa
Trichinella spiralis-infected germfree and conventional mice, haematologial changes as index of course of infection

Blood
Raisinghani PM; Lodha KR
1980 Indian Vet J 57 (6) June 579-584 i e 479-484 Wa
Trypanosoma evansi, camels, prognostic value of some haematological and biochemical parameters following treatment with 4 different trypanocides: Bikaner

Blood
Rajasekariah GR; Howell MJ
1981 Internat J Parasitol 11 (1) Feb 59-65 Wa
Fasciola hepatica in susceptible (5-week-old) vs. age-resistant (25-week-old) rats, worm recovery, histopathology, haematological changes, precipitating antibody titres

Blood
Rechav Y; Kuhn HG; Knight MM
1980 J Med Entom 17 (6) Dec 30 555-560 Wa
Amblyomma hebraeum, rabbits (exper.), effect on host blood composition and weight, positive correlation between level of tick infestation and weight loss, anemia and weight loss appear to result from combination of blood loss and toxins introduced by feeding ticks

Blood
Rickman WJ; Cox HW
1980 J Parasitol 66 (1) Feb 28-33 Wa
Trypanosoma brucei rhodesiense, rats, anemia, thrombocytopenia, and coagulopathy, association with antibodies against fibrinogen/fibrin-related products (anti-F), immunoconglutinin, soluble immune complexes (of anti-F and fibrinogen/fibrin-related products), and lytic complement consumption

Blood
Rickman WJ; Cox HW; Thoongsuwan S
1981 J Parasitol 67 (2) Apr 159-163 Wa
Trypanosoma brucei rhodesiense, rats, interactions of immunoconglutinin and immune complexes in cold autohemagglutination

Blood
Rieckmann KH et al
1979 Bull World Health Organ 57 suppl 1 139-151 Wa
Plasmodium knowlesi, rhesus monkeys, immunization with 3 nonviable blood-stage antigens, response to challenge, haematology, indirect fluorescent antibody test, IgG values, radioimmunoassay values, opsonization and merozoite inhibition tests, B and T cell values, lymphocyte transformation test, intradermal skin test

Blood
Rifaat MA; Abdel Aal TM
1975 Ain Shams Med J 26 (1) Jan 39-44 Wm
Schistosoma mansoni-infected mice, serum protein changes at different stages of infection, testing for CHR

Blood
Roberts-Thomson IC et al
1980 Gut 21 (5) May 397-401 Wm
human and murine giardiasis, in humans with prolonged Giardia lamblia infection genetic markers were analyzed, higher than expected frequency of certain antigens and phenotypes were observed; in infected inbred strains of mice several genes appeared to influence susceptibility to prolonged infection with G. muris

Blood
Roth RL; Levy DA
1980 Exper Parasitol 50 (3) Dec 331-341 Wa
Nippostrongylus brasiliensis-infected rats, peripheral leukocyte responses, correlation of basophils with blood histamine concentrations

Blood
Rougemont A et al
1980 Human Hered 30 (4) 201-203 Wm
endemic malaria area, long-term studies of 98 unselected adults, haptoglobin level of blood increased after anti-malarial treatment, suggests that hypo- or anhaptoglobinaemia in populations like this may have non-genetic basis: rural African community, Mali

Blood
Saad AM et al
1980 Research Vet Sc 28 (1) Jan 105-111 Wa
Schistosoma bovis, zebu calves (exper.), development and clinical pathology of primary infections, relationship between clinico-pathological changes and the number and reproductive activities of the worms

Blood
Sakamoto H et al
1980 Bull Fac Agric Kagoshima Univ (30) Mar 117-122 Wa
Eurytrema coelomaticum, cattle, clinicopathological findings, diagnosis, nitroxynil treatment: Kagoshima Prefecture

Blood
Salmon C
1979 Rev Epidemiol et San Pub 27 (5-6) 389-397 Wm
Plasmodium spp., humans, relationships between Duffy blood group antigens and malaria

Blood
Sandeman RM; Howell MJ
1980 Vet Parasitol 6 (4) Mar 347-357 Wa
Fasciola hepatica, excysted metacercariae cultured in serum taken from sheep weekly for 20 weeks following infection, formation of precipitate on tegument and in surrounding medium, comparison of amount of precipitate formed with levels of liver and bile duct enzymes in serum

Blood
Sandeman RM; Howell MJ
1981 Research Vet Sc 30 (3) May 294-297 Wa
Fasciola hepatica, sheep, primary and challenge infections, serum enzyme and precipitating antibody levels, worm recoveries, no resistance to challenge, apparent suppression of antibody response during challenge infection; recoveries of adult flukes from rats injected with metacercariae cultured in serum from normal and infected sheep or with freshly excysted metacercariae

Blood
Santiyanont R; Wilairat P
1981 Am J Trop Med and Hyg 30 (3) May 541-543 Wa
Plasmodium falciparum, red cells containing hemoglobin E do not inhibit malaria parasite development in vitro

Blood
Schiliro G; et al
1980 Brit J Haematol 46 (2) Oct 207-210 Wa
kala-azar significantly increased fetal hemoglobin (HbF) levels in children with acute infections, after recovery these levels fall within normal limits thus suggesting that increased production of HbF is associated with accelerated erythropoiesis due to temporary marrow stress

Blood
Scott AL; Grizzle JM
1979 J Fish Dis 2 (1) Jan 69-73 Wa
Bothriocephalus gowkongensis, cyprinid fishes, histopathology, haematocrits and condition factors of infected and uninfected Notemigonus crysoleucas compared

Blood
Singhal KC et al
1977 Indian J Helminth 28 (1) Mar 1976 43-53 Issued Oct 26 Wa
Setaria cervi, intraperitoneal implantation in rats, changes in leucocyte pattern of host during a six-week period

Blood
Snider TG III et al
1981 Vet Parasitol 8 (2) May 173-183 Wa
Ostertagia ostertagi, calves (exper.), single doses of larvae followed by increasing multiple inoculation series, fecal egg counts, plasma pepsinogen levels, inhibited larval development, abomasal lesions, host immunological response suggested by lymphoid cell infiltration in mucosa

Blood
Stockdale PHG et al
1981 Canad J Comp Med 45 (1) Jan 34-37 Wa
Eimeria zuernii, calves, alterations in levels of blood ions, cells and proteins

Blood
Stong RC; Stone WH
1980 Animal Blood Groups and Biochem Genet 11 (3) 185-192 Wm
Macaca mulatta, study of Fy antigen blood groups, apparently no Duffy-like polymorphism in rhesus monkeys, applications for Plasmodium knowlesi research

Blood
Suteu E et al
1981 Arch Exper Vet-Med 35 (2) Mar 231-234 Wa
Eimeria tenella, chickens (exper.), influence of some coccidiostats on carotenoids and A-vitamin blood levels and blood serum fatty acids, comparison with non-treated group; drug efficiency evaluated by various methods

Blood
Sykes AR; Coop RL; Rushton B
1980 Research Vet Sc 28 (1) Jan 63-70 Wa
Fasciola hepatica, sheep (exper.), chronic subclinical infection, effects on food intake, food utilisation and blood constituents

Blood
Tabel H; Losos GJ
1980 Vet Parasitol 7 (4) Dec 297-303 Wa
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1980 Tropenmed u Parasitol 31 (1) Mar 99-104 Wa
Trypanosoma vivax, T. congolense, cattle (exper.), serum levels of total protein albumin, activity of hemolytic complement, and complement component C3 decreased by infection

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1981 Tropenmed u Parasitol 32 (2) June 99-100 Wa
Trypanosoma congolense, cattle, lack of relationship between level of parasitemia and J blood group antigens

Blood
Valli VEO et al
1980 Tropenmed u Parasitol 31 (3) Sept 288-298 Wa
Trypanosoma congolense in neonatal and 6-month-old calves, quantitation of blood biochemical changes (serum electrolytes and osmolality, serum proteins, lipids, organ function tests)

Blood
Valli VEO; Mills JN
1980 Tropenmed u Parasitol 31 (2) June 215-231 Wa
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1963 Trudy Vsesoiuz Inst Gel'mint 10 98-119 Wa
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Vernes A et al
1980 Path Biol 28 (7) Sept 457-460 Wa
Plasmodium falciparum, P. vivax, P. ovale, humans, P. inui, Macaca fascicularis, serum triacylglycerides, total cholesterol, and lipoproteins (VLDL, LDL, HDL)

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Vijayakumaran Nair K; Nadakal AM
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Raillietina tetragona, domestic fowl (exper.), haematological changes

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1979 Bull World Health Organ 57 suppl 1 153-157 Wa
Plasmodium falciparum, immunization of Aotus trivirgatus with irradiated blood forms, haematological status of immunized monkeys

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Whitelaw DD et al
1980 Infect and Immun 27 (3) Mar 707-713 Wa
Trypanosoma congolense in susceptible mouse strain vs. trypanotolerant mouse strain, host survival, parasitemia and anemia, erythrocyte survival, plasma and erythrocyte volumes, blood biochemistry, immunoglobulin levels, immunosuppression, infectivity neutralization tests on sera, results indicate ability of resistant mice to survive is dependent on humoral antibody

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1980 Biochem J 189 (2) Aug 1 295-303 Wm
Boophilus microplus, proteolytic-enzyme inhibitor, variations in concentration throughout life cycle, effect on isolated enzymes, on blood coagulation, on haemolytic complement, and on lymphocyte transformation

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1980 Proc Helminth Soc Washington 47 (1) Jan 122-128 Issued Feb 15 Wa
Eimeria tenella-infected and noninfected chickens, thromboplastin-like activity of protein-containing extract prepared from chicken ceca, injection of extract caused toxic reaction and death apparently due to intravascular coagulation

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1980 Ztschr Parasitenk 63 (1) 47-57 Wa
Babesia bovis, pathogenicity of irradiated vs. non-irradiated parasites in Bos taurus (exper.), differences in various blood parameters

Blood groups See Blood

Blood picture See Blood

Blood transfusion See Disease transmission, Blood

Body location *See* Localization

Body wall *See* Parasite surfaces

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Kaneko K et al
1977 Aichi Ika Daigaku Igakkai Zasshi (J Aichi Med Univ Ass) 5 (1) Jan 60-64 Wm
intestinal parasitological survey, school children living in Japanese colonies of San Juan and Okinawa, Province of Santa Cruz, Bolivia

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1981 Human Path 12 (6) June 573-576 Wm
woman with osteomyelitis of mandibular bone graft, pathologic examination of tissue demonstrated mixed infection including Acanthamoeba castellanii, first recorded instance of invasion of bone by free living ameba

Brain [*See also* Nervous system]

Brain
Brown TT jr; Jordan HE; Demorest CN
1978 J Wildlife Dis 14 (4) Oct 441-444 Wa
Parelaphostrongylus tenuis in Lama guanicoe (brain), neurologic disease, clinical and pathologic findings: ranch near Houston, Texas

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1981 Infect and Immun 31 (3) Mar 1184-1192 Wa
Toxoplasma gondii, immunohistological study of anatomic relationship of parasite antigens to inflammatory response in brains of chronically infected mice, use of peroxidase-antiperoxidase staining technique

Brain
Ghareeb AM et al
1979 Ain Shams Med J 30 (1-2) Jan-Mar 59-64 Wm
Schistosoma mansoni-infected mice vs. normal mice, changes in liver and brain enzyme activity and blood urea levels

Brain
Hussain MM; Mohan Rao VK
1979 Indian J Exper Biol 17 (8) Aug 779-781 Wm
Hartmannella culbertsoni, mice, experimental meningoencephalitis, effect on aminotransferase levels in brain, effect of amoebicidal drug treatment on these levels

Brain
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1981 Indian J Biochem and Biophys 18 (1) Feb 63-64 Wa
Hartmanella culbertsoni, meningoencephalitic mice, lactate dehydrogenase isoenzyme profile in brain

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1980 Clin and Exper Immunol 42 (3) Dec 412-420 Wa
Plasmodium berghei in 5 strains of mice, immunopathology of lesions in brain, kidney, liver, and spleen

Brain
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1980 Infect and Immun 29 (2) Aug 799-807 Wa
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1981 Virchows Arch A Path Anat and Histol 390 (2) 229-241 Wm
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Poltera AA
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 706-715 Wa
human African trypanosomiasis, endstage lesions in brain and heart; Trypanosoma brucei brucei in mouse model, sequential features in humoral immunology and immunopathology with emphasis on cardiac and cerebral lesions, occurrence of relapses after ethidium bromide or melarsoprol treatment, responsiveness of parasite to melarsoprol in spite of repeated relapses, shift in distribution of parasite in central nervous system after melarsoprol relapse, symposium presentation

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Poltera AA et al
1980 Clin and Exper Immunol 40 (3) June 496-507 Wa
Trypanosoma brucei brucei, successful induction of cerebral trypanosomiasis in ordinary laboratory mice, parasitaemia and serology, histopathology, immunohistology, electronmicroscopic studies, evolution of brain lesions after ethidium bromide treatment

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1981 Indian J Exper Biol 19 (2) Feb 186-188 Wa
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Brain
Tanowitz HB et al
1981 Exper Parasitol 51 (2) Apr 269-278 Wa
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Toxoplasma gondii, avirulent strain, mice, serology, numbers of cysts in heart and brain tissue at various intervals after infection

Brain
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1980 Kobe J Med Sc 26 (4) Dec 253-267 Wm
Toxoplasma gondii, albino mice, light and transmission electron microscopic study of cyst formation, distribution, and maturation in brains, serological and histological host responses

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1981 Ann Soc Belge Med Trop 61 (1) Mar 57-78 Wa
Trypanosoma brucei gambiense, light and electron microscopic studies on extravascular cerebral pathology in chronically infected rats and mice

Brain
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1979 Ztschr Parasitenk 61 (1) 29-51 Wa
Toxoplasma, learning capacity and memory of normal and infected laboratory rats and mice, relationship to number of brain cysts

Brazil
do Amaral ADF; Busetti ET
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 141-145 Wm
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1979 Acta Amazonica 9 (4) Dec 657-659 Wa
intestinal parasites, survey of children and adolescents: Nova Olinda do Norte, Amazonas, Brazil

Brazil
Lawrence DN et al
1980 Am J Trop Med and Hyg 29 (4) July 530-537 Wa
intestinal parasitoses of Amerindians in newly contacted vs. acculturating villages, prevalence, no sex-related differences, average number of parasite species per person by age: Brazil; Venezuela

Brazil
Wilson D et al
1980 Rev Saude Pub S Paulo 14 (3) Sept 300-309 Wm
nutritional status and intestinal parasites, homeless children living in institution, survey, most had evidence of poor nutrition and many had high incidence of Hymenolepis nana (one of highest on record in Brazilian literature): Sao Paulo State, Brazil

Breeds
Anosa VO; Obi TU
1980 Zentralbl Vet Med Reihe B 27 (9-10) 773-788 Wa
haematology and incidence of blood protozoans and helminths in 4 breeds of cattle under nutritional stress, role of host age, breed, and haemoglobin type

Breeds
Bernard S; Haase M; Guidot G
1980 Berl u Munchen Tierarztl Wchnschr 93 (24) Dec 15 482-485 Wa
trypanosomiasis, trypanotolerant and trypanosensitive cattle breeds, antibody survey using enzyme linked immunosorbent assay and indirect immunofluorescence, high percentage of serologically positive cattle does not correlate with results obtained by direct isolation of trypanosomes; ability of trypanotolerant breeds to limit number of parasites in blood stream cannot be correlated with the concentration of antibodies and must involve another unknown immune mechanism: Upper Volta

Breeds
Beveridge I; Kummerow EL; Wilkinson P
1980 Tropenmed u Parasitol 31 (1) Mar 75-81 Wa
Onchocerca gibsoni in Bos indicus and Bos taurus, prevalence and intensity of nodules and microfilariae in cows of different age classes, nodule size and contents, observations on male and female worms and on degeneration of female worms: Australia

Breeds
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1980 Rec Med Vet 156 (9) Sept 605-608 Wa
Demodex folliculorum, dogs, clinical signs, sex, age, and breed of host, amitraz, tolerance, results of 2 year study

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1979 Rev Elevage et Med Vet Pays Trop n s 32 (3) 241-245 Wa
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Breeds
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1980 Rev Elevage Med Vet Pays Trop n s 33 (3) 305-310 Wa
Boophilus microplus on Santa Gertrudis cattle, degree of infestation according to temperature and month of year, advantage of using a moderately tick resistant breed: Nouvelle-Caledonie

Breeds
Dolan TT; Stagg DA
1980 Trop Dis Research Ser (3) 159-160 Wm
Theileria parva, susceptibility of Bos taurus vs. Bos indicus to infection with cell lines from Bos taurus and Bos indicus infected with T. parva

Breeds
Doube BM; Wharton RH
1980 Experientia 36 (10) Oct 15 1178-1179 Wa
Boophilus microplus, seasonal cycle in expression of acquired resistance in cattle with previous tick experience occurs irrespective of breed and nutritional state, differences in magnitude and timing of cycle between bulls and steers at 1 locality and between steers at 2 localities: Queensland, Australia

Breeds
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1980 Austral Vet J 56 (5) May 212-218 Wa
Boophilus microplus, cattle, chemical control by dipping, survey 1977-78, differences due to region, breed and type of enterprise: Queensland

Breeds
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1980 J Econom Entom 73 (3) June 407-410 Wa
Amblyomma americanum, woodlot-pastured Braford and Hereford heifers, fecundity and development of ticks compared: eastern Oklahoma

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1981 J Comp Path 91 (1) Jan 97-103 Wa
Trypanosoma congolense, Haemonchus contortus, 2 breeds of goat (Saanen x Galla and East African), mixed vs. single infections, red cell destruction rate, erythropoietic response of femoral bone marrow

Breeds
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1981 J Comp Path 91 (1) Jan 85-95 Wa
Trypanosoma congolense, Haemonchus contortus, 2 breeds of goat (Saanen x Galla and East African) varying in resistance, mixed vs. single infections, clinical and parasitological findings, immunosuppression by T. congolense may be responsible for effects observed

Breeds
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1980 Berl u Munchen Tierarztl Wchnschr 93 (20) Oct 15 400-402 Wa
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1981 J Am Vet Med Ass 178 (3) Feb 1 301-302 Wa
Thelazia lacrymalis, horses (eyes), percent infected by age, sex, and breed, localization in eyes: Indiana

Breeds
Le Jambre LF
1978 Epidemiol and Control Gastrointest Parasites Sheep Australia 137-141 Wa
nematodes, sheep, determination of genetic variation in resistance to worms within and between breeds, implications for selective breeding programs for helminth control, review: Australia

Breeds
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1981 J Am Vet Med Ass 179 (9) Nov 1 899-900 Wa
Onchocerca spp., horses examined at necropsy, prevalence of microfilariae in skin by breed, age, and sex: Kentucky

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1980 Vet Parasitol 6 (4) Mar 381-390 Wa
effects of natural parasitic infestations (treated and untreated) on body growth and blood composition of 3 breeds of cattle grazing in a tropical environment: Belmont, Australia

Breeds
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Boophilus microplus, British and Africander x British cattle, alterations in body metabolism which would account for loss of body-weight due to specific effect of tick infestation

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1981 Vet Quart 3 (1) Jan 25-30 Wa
Dirofilaria immitis, dogs (peripheral blood), incidence survey (1977-1978), relationship between presence of microfilariae and host age, sex, breed, residence, clinical symptoms, liver and kidney function blood values, and presence of antibodies using indirect fluorescent antibody test: Surinam

Breeds
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1981 Brit Vet J 137 (4) July-Aug 416-420 Wa
Theileria annulata, highly susceptible Israeli Friesian calves, immunization by infection-treatment method

Breeds
Prosl H et al
1980 Wien Tierarztl Monatsschr 67 (1) Jan 14-19 Wa
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Breeds
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1980 Research Vet Sc 29 (1) July 26-30 Wa
Trichostrongylus colubriformis and Ostertagia spp. resistant to levamisole, morantel tartrate and thiabendazole, infectivity, pathogenicity, host susceptibility and drug efficacy in two experimentally infected sheep breeds

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Wilson AJ
1979 J South African Vet Ass 50 (4) Dec 293-295 Wa
Anaplasma marginale, Bos indicus (nat. and exper.), effect of host nutrition, breed, and age on pathogenesis of anaplasmosis, natural transmission in endemic areas indicated that introduced cattle should not adversely affect enzootic stability: north Queensland

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1980 J Animal Sc 51 (2) Aug 279-284 Wa
Haemonchus contortus, lambs (exper.), breed differences in resistance, effect of host breed and sex on their physiological responses when given sensitizing infections of larvae followed by challenge infection

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Jørgensen RJ
1980 Acta Vet Scand 21 (4) 658-676 Wa
Dictyocaulus viviparus, calves (exper.), pattern of infection in 2 groups allowed to graze on pastures contaminated with overwintered larvae, larval counts in faeces and on pastures, post-mortem worm counts, tactical and therapeutic treatment of severe bronchitis with fenbendazole

Bronchitis
Jørgensen RJ
1981 Acta Vet Scand 22 Suppl 76 77 pp Wa
Dictyocaulus viviparus, young cattle, epidemiological review, prevention of parasitic bronchitis in areas of low incidence, brief review of 7 published papers concerning laboratory isolation of larvae from herbage samples and field studies on pattern of infection

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Siphonaptera of rodents, survey, sex-ratio given for some flea species, risk of plague: Burundi

Calcification
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Toxoplasma gondii, clinical, radiological, and pathological findings of 44 cases, intracranial calcification of diagnostic significance, mostly males and neonates affected

Calcification
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parasites and other causes of hepatic calcifications, humans, diagnosis using abdominal ultrasonography, fluoroscopy, or conventional contrast radiography

Calcification
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1976 Ain Shams Med J 27 (2) Mar 219-220 Wm
Dracunculus medinensis, male immigrants from Yemen, calcified worms discovered in various body areas during radiologic studies, calcifications symptomless except for possible association with arthritis: Mecca

Calcification
Gospos C
1980 Radiologe 20 (1) Jan 38-39 Wm
Dracunculus medinensis, African male, case report, calcifications in abdominal subcutaneous tissues

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Kuckein D
1980 Roentgen-Blaetter 33 (8) Aug 414-417 Wm
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Calcification
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1980 Clin Radiol 31 (5) Sept 521-528 Wm
Taenia solium, humans, computed tomography is useful in assessment and diagnosis of acute parenchymatous cerebral cysticercosis and in confirming presence of calcifications

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1980 Bull Soc Path Exot 73 (2) Mar-Apr 171-178 Wa
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synopsis of fish parasites: Canada

Canada
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Canada
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intestinal parasites, human, survey, prevalence by town, sex, racial origin, and age group, possible reasons for low prevalence: Labrador, Canada

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1980 Canad Med Ass J 123 (6) Sept 20 512-514 Wa
intestinal parasites, homosexual men, prevalence, symptoms, and factors in transmission: Toronto, Canada

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Cancer
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1980 Rev Latinoam Microbiol 22 (2) Apr-June 105-108 Wa
Entamoeba histolytica, patients with cervicouterine infections, characteristics of 15 cases reviewed, host age distribution, some association with cervical carcinoma: Mexico

Cancer
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1980 Proc National Acad Sc 77 (8) Aug 4971-4974 Wm
induction of lymphoma in athymic mice after chronic antigenic stimulation by infection with Aspiculuris tetraptera and Syphacia obvelata, possible model for study of human lymphoma

Cancer
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1979 Acta Trop 36 (3) Sept 203-214 Wa
Schistosoma haematobium, association of infection and urinary bladder cancer, review

Cancer
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1980 Tr Roy Soc Trop Med and Hyg 74 (2) 284 Wa
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Cancer
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1981 Lancet London (8227) 1 May 2 971-973 Wa
schistosomal granulomatous disease of the large intestines, humans, retrospective review of clinical data and surgical specimens, colonic dysplastic epithelial changes found in several cases are regarded as pathological basis for the malignant potential of schistosomal colitis

Cancer
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1980 Cancer Research 40 (4) Apr 1240-1244 Wa
Toxoplasma gondii-infected rats with ethylnitrosourea-induced central nervous system tumors, lack of tumor inhibition by chronic parasitic infection as opposed to protective mechanisms exhibited in infected mice, inflammatory component produced by Toxoplasma organism in brain may be necessary prerequisite for tumor inhibition

Cancer
El-Aaser AA et al
1980 Tumori 66 (4) Aug 31 409-414 Wm
Schistosoma haematobium, survey, presence of urinary nitrite in infested rural population frequently associated with bladder infection, possible etiology in bilharzial bladder cancer

Cancer
El-Bolkainy MN et al
1981 Cancer 48 (12) Dec 15 2643-2648 Wa
Schistosoma haematobium, patients with bladder carcinoma who had been treated by radical cystectomy, those with schistosome eggs in surgical specimens vs. egg-negative specimens, impact of schistosomiasis on bladder pathology: Egypt

Cancer
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Trichomonas vaginalis, increased incidence of vaginal infections in women regularly using contraceptive pills, possible association with pre-cancerous lesions: Alexandria, Egypt

Cancer
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Pneumocystis carinii pneumonitis in patients with lung cancer, clinical case reports, may become important differential diagnostic consideration in presence of pulmonary infiltrates

Cancer
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1979 Ethiop Med J 17 (3) July 81-83 Wm
schistosomiasis, human cervical infections, diagnostic differentiation from cervical cancers and other cervical pathology, significance of diagnostic awareness in schistosomal endemic areas

Cancer
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1980 Current Problems Diag Radiol 9 (2) Mar-Apr 1-59 Wm
simulators of colonic carcinoma in humans, differential diagnosis, includes section on Entamoeba histolytica

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Ghoneim MA; Awaad HK
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bilharzial bladder associated with cancer, men, therapeutic response to surgery, radiation, and chemotherapy

Cancer
Green JA; Spruance SL; Cheson BD
1980 Cancer Philadelphia 45 (4) Feb 15 808-810 Wa
Toxoplasma gondii, 24-year-old man with untreated Hodgkin's disease and central nervous system toxoplasmosis, case report, toxoplasmosis successfully treated prior to initiation of anti-neoplastic therapy; previously, CNS-toxoplasmosis has been noted to complicate lymphomas after initiation of anti-neoplastic therapy, but these results suggest lymphoma per se may be a predisposing factor

Cancer
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1981 Med Hypotheses 7 (1) Jan 43-49 Wm
medical hypothesis: use of Plasmodium vivax Madagascar strain as therapy for cancer, this parasite is a potent immunostimulant in that it stimulates the production of phagocytic macrophages to the highest levels thus enhancing the host's natural defenses against harmful antigens, these may well include malignant disease

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Schistosoma haematobium-infected Papio sp., effects of parasite infection and of urine-borne carcinogen on development of urothelial neoplasia; in this model, schistosomiasis supplies proliferative stimulus necessary to accelerate cancer growth from latent tumor foci produced by exposure to low doses of bladder carcinogen

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Trichomonas vaginalis, human vaginal infection, diagnosed by Papanicolaou smear, possible associations with vaginal cancer and other atypical cell alterations

Cancer
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opisthorchosis, human, associated primary hepatic cancer, clinical report

Cancer
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regression of mouse sarcoma M(52)B treated with bovine fascia lata extract from animals previously inoculated with Babesia bovis and B. bigemina

Cancer
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1981 Voprosy Onkol 27 (1) 36-40 Wm
patients with primary hepatic cancer and non-tumor lesions of liver, delayed hypersensitivity reactions, effect of opisthorchosis invasion (impairment of cellular immunity)

Cancer
Kouba K et al
1981 Ceskoslov Gynek 46 (5) June 365-372 Wm
toxoplasmosis, women with glandular forms of infection, pseudotumors and mammary cancers associated with parasite infection, importance of differential diagnosis and serological testing for toxoplasmosis

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1979 Tropenmed u Parasitol 30 (4) Dec 429-433 Wa
Trichinella spiralis-infected mice, protection against sarcoma-180 ascites tumors under selected conditions of larval dose and challenge interval

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Encephalitozoon cuniculi in Alopex lagopus associated with papillary epicardial mesotheliomas

Cancer
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toxoplasmosis, human cerebral infection complicating Kaposi's sarcoma, clinical case report

Cancer
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Trypanosoma cruzi, serological survey, increased incidence of malignant and non-malignant tumors in Chagasic patients: Argentina

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Opisthorchis viverrini, Clonorchis sinensis, humans, association with cholangiocarcinoma, review

Cancer
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Schistosoma haematobium, humans, association between bilharziasis and bladder cancer, review article

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1980 Scand J Urol and Nephrol Suppl (55) 25-26 Wm
bilharziasis, association with breast and prostatic carcinomas in males: Egypt

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Ascocotyle sp., relationship between cancer and trematode in Chaetobranchus semifasciatus on branchial arch: lago Janauaca, Amazonas

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1981 Ann Trop Med and Parasitol 75 (6) Dec 597-605 Wa
Plasmodium yoelii, contrasting effects of infection on growth of 2 syngeneic transplantable murine tumours, results indicate malaria is not universal enhancing agent of oncogenesis and tumour growth but appears to facilitate induction and growth of virus-induced lymphomas

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screening of humans for possible colorectal cancer showed no evidence of relationship with schistosomiasis: Haining County, Zhejiang Province, China

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Nosema whitei in Tribolium castaneum (exper.), effects of crowding on host mortality and cannibalism, pupation and adult emergence, weight changes, and infection levels

Carbohydrates [See also Biochemistry; Glycoproteins; Metabolism]

Carbohydrates
Ando K; Mitsuhashi J; Kitamura S
1980 Am J Trop Med and Hyg 29 (2) Mar 213-216 Wa
Dirofilaria immitis, uptake of amino acids and glucose by microfilariae maintained in culture medium for 8 days

Carbohydrates
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Dirofilaria immitis, uptake in vitro of monosaccharides, disaccharide and nucleic acid precursors by adult male and female worms, transcuticular uptake demonstrated

Carbohydrates
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Schistosomatium douthitti, transintegumental glucose uptake in male and female worms, possible implications for male-female nutritional relationships

Carbohydrates
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1980 J Parasitol 66 (1) Feb 81 Wa
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Oesophagostomum dentatum, growth of pasture herbage as well as weather affects development and survival of free-living stages

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1980 J Wildlife Dis 16 (2) Apr 189-194 Wa
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Trypanosoma brucei, cultivation and in vitro cloning of procyclic culture forms in semi-defined medium

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Fasciola hepatica, mice and rats dosed with infective metacercariae of different single snail-derived clones and challenged with same or different clonal parasites, no better resistance seen with parasites of homologous clone than with heterologous clone challenge

Clones
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1980 Ann Parasitol 55 (1) Jan-Feb 1-11 Wa
Trichomonas vaginalis, antigenic analysis of 2 clones from same strain before and after prolonged in vitro cultivation, previous reports of antigenic variation should be questioned

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1980 Parasitology 80 (2) Apr 359-369 Wa
Trypanosoma brucei, antigenic variation in clones of animal-infective bloodstream forms derived and maintained in vitro in absence of host antibodies

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Issued Mar 11 Wa
Trypanosoma cruzi, correlation of growth kinetics in vitro to zymodeme type in clones derived from various sources

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1980 J Parasitol 66 (2) Apr 350-352 Wa
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1981 Parasitology 82 (1) Feb 63-80 Wa
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Clones
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1980 Proc National Acad Sc Biol Sc 77 (11) Nov 6810-6814 Wa
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Trypanosoma cruzi, characterization of stocks, strains, and clones by restriction endonuclease fingerprinting of kinetoplast DNA minicircles, technique should be useful for other pathogenic Trypanosomatidae

Clones
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Schistosoma mansoni serial implantations of larval schistosomes from infected to uninfected Biomphalaria spp., single miracidium sufficient to infect initial donor, possibility of cloning of unisexual infections in experimental infections

Clones
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1980 Tr Roy Soc Trop Med and Hyg 74 (6) 817-819 Wa
Trypanosoma brucei brucei, clones of 3 different isolates, sequential blood incubation infectivity tests on successive variable antigen types, all 3 eventually changed from BIIT-negative to BIIT-positive responses typical of T. rhodesiense coincident with proven changes of VAT

Clones
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1981 Acta Trop 38 (2) June 115-124 Wa
Trypanosoma brucei subspecies clone, successive variable antigen types, variation in sensitivity/resistance to some African game animal sera in modified version of blood incubation infectivity test, all 7 VATs resistant to normal human serum (typical of T. b. rhodesiense)

Clones
Rosario V
1981 Science (4498) 212 May 29 1037-1038 Wa
Plasmodium falciparum, cultured isolate characterized by 2 electrophoretic forms of glucose phosphate isomerase, establishment of clones characterized by only single enzyme forms

Clones
Rosen NL et al
1981 Exper Parasitol 52 (2) Oct 210-218 Wa
Trypanosoma congolense strain cloned, passaged through tsetse fly, and subsequently recloned, relapsing infections induced in rats by syringe passage of cloned trypanosomes, relapsing infection was associated with change of one major glycoprotein spectrotype to second spectrotype, these variant surface glycoproteins may be products of sequentially expressed genes

Clones
de Sa MFG et al
1980 J Protozool 27 (3) Aug 253-257 Issued Oct 9 Wa
Crithidia brasiliensis sp. n. from Zelus sp. (alimentary tract contents), isolation and cloning, growth pattern, morphology, biochemical analyses (isoenzyme pattern, histone pattern, cleavage of kDNA with restriction endonucleases): Brasilia, Distrito Federal, Brazil

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simple method for plating and cloning ciliates and other Protozoa

Clones
Tanuri A; de Andrade PP; de Almeida DF
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trypanosomatids, simple highly efficient plating method illustrated by successful cloning of Herpetomonas samuelpessoai and Crithidia deanei

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Plasmodium falciparum, establishment of clones by method based on microscopic selection, characterization with regard to knobs, chloroquine sensitivitiy, and formation of gametocytes

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Wery M et al
1979 Ann Soc Belge Med Trop 59 (4) Dec 347-360 Wa
Plasmodium berghei berghei, successive waves of parasitaemia separated by subpatent periods observed in mice infected after immunization with P. berghei Anka parent lines or with clones derived from it, these recrudescences possibly caused by antigenic variants, suggests that acquired protective immunity (premunition) may not have the same efficiency against successive parasite populations occurring in the same animal, no difference could be demonstrated by immunofluorescence in the antigenicity of the different lines or clones used for immunization

Clones
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Plasmodium berghei cloned and uncloned lines, antigenic characterization of 4 recrudescences of parasitaemia using cross protection experiments in immunized mice, homologous challenges induced lower parasitaemia than did heterologous, antigenic variation may be responsible for intergroup differences which were higher than those between individual mice

Clotting, Blood See Blood

Coagulation, Blood See Blood

Colitis [See also Intestine]

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1977 Am J Proctol 28 (1) Feb 80-84 Wm
fulminant amebic colitis, humans, autopsy study of causes of death

Colitis
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1977 Am J Proctol 28 (1) Feb 69-73 Wm
Entamoeba histolytica, children, fulminant necrotizing amebic colitis, clinical aspects

Colitis
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1979 Anesthesie et Analgesie 36 (3-4) Mar-Apr 133-138 Wm
necrotic amoebic colitis, humans, hypovolemic shock secondary to wastage by diarrhea and perilesional edema, clinical management

Colitis
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1979 Bull Soc Path Exot 72 (3) May-June 209-215 Wa
amoebiasis, humans with necrotizing colitis, case reviews, indications for surgical intervention, prognosis

Colitis
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1974 Am J Gastroenterol 62 (4) Oct 345-349 Wm
necrotic amebic colitis, clinical diagnostic symptoms, surgical and autopsy findings, more frequent illness in adults than in children, high rate of mortality in adults

Colitis
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E[ntamoeba] histolytica, children with colitis, chronic rectal bleeding, differential diagnosis, clinical management

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Entamoeba histolytica, humans, indications for surgical intervention in acute fulminating colitis or in ameboma formation

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amoebic colitis causing perforation of the bowel, humans, clinical report, medical and surgical management: South Africa

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amoebiasis, humans, severe colitis, incidence, location of lesions, associated pathology and complications

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Rozen P; Baratz M; Rattan J
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Entamoeba histolytica, humans, case reports, rectal bleeding due to amebic colitis, diagnosed by multiple endoscopic biopsies

Colitis
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1980 N York State J Med 80 (9) Aug 1431-1433 Wm
Entamoeba histolytica, man, case report, concurrent amebic colitis and amebic liver abscess, fatal illness, clinical review: New York

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1980 Western J Med 132 (2) Feb 153-157 Wa
Entamoeba histolytica, two homosexual men presenting amebic colitis and liver abscess, diagnostic difficulties, evidence that sexually transmitted amebiasis can be virulent illness

Collagen See Proteins

Collection of parasites See Technique, Parasite collection and recovery

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1980 J Parasitol 66 (1) Feb 162-165 Wa
list of type material in collection of International Reference Centre for Avian Haematozoa

Collections
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1979 Canad J Zool 57 (3) Mar 701-703 Wa
animal parasitic protozoan and helminth type specimens deposited in the National Museum of Canada Invertebrate Collection (Parasites)

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1977 Quaest Entom 13 (2) Apr 91-182 Wa
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Colombia
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intestinal parasites, Indian population in the Amazon, incidence survey: Colombia

Colon See Intestine

Colonies, Arthropoda See Technique, Rearing, Arthropoda

Complement [See also Immunity, Complement fixation]

Complement
Adam C et al
1981 Infect and Immun 31 (2) Feb 530-535 Wa
Plasmodium falciparum, human, presence of circulating immune complexes, IgG-IgM cryoglobulinemia, and complement consumption is associated with cerebral malaria and very rarely with uncomplicated infection, intensity of immune response and of associated complement activation may be important factors in pathogenesis of cerebral malaria

Complement
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1981 J Clin Microbiol 13 (1) Jan 195-198 Wa
Plasmodium falciparum-infected rural Nigerian school children, correlation of gametocytemia with complement component titers

Complement
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Leishmania donovani-infected golden hamsters, complement increases

Complement
Aikat BK et al
1979 Indian J Med Research 70 Oct 571-582 Wa
kala-azar, early and late stages, patients, haematological findings, bone marrow picture, presence of complement (C3) on red blood cells demonstrated using anti C3, autoimmune mechanisms may be involved in anemia

Complement
Ali-Khan Z; Siboo R
1981 Exper Parasitol 51 (2) Apr 159-168 Wa
Echinococcus multilocularis, distribution of antigenic determinants and specific host immunoglobulins on cyst membranes, possible significance of bound antibody in complement activation and antibody-dependent cell-mediated cytotoxicity of proliferative phase of alveolar hydatid cyst

Complement
Anwar ARE; et al
1980 J Immunol 124 (3) Mar 1122-1129 Wm
Schistosoma mansoni, human eosinophil- and neutrophil-mediated killing of schistosomula in vitro, enhancement of complement-dependent damage by mast cell-derived mediators and formyl methionyl peptides

Complement
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1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Complement
Contreras CE et al
1980 Clin and Exper Immunol 42 (3) Dec 403-411 Wa
Plasmodium berghei in 5 strains of mice, immunopathological aspects: course of infection, detection of soluble malarial antigens, serum-specific antibody levels, circulating immune complexes, serum C3 levels, infection of nude mice

Complement
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Trypanosoma cruzi, human, chronic Chagas' disease patients, serum levels of IgM, IgG, IgA, complement, number of circulating T and B lymphocytes, no evidence of immune complexes, unimpaired delayed type hypersensitivity reactions to various antigens, humoral suppression to typhoid vaccine

Complement
Cunningham DS et al
1981 J Parasitol 67 (4) Aug 475-480 Wa
Trypanosoma cruzi-released decomplementing factor, partial characterization

Complement
Dalmasso AP; Jarvinen JA
1980 Infect and Immun 28 (2) May 434-440 Wa
Trypanosoma cruzi, course of infection in complement-deficient mice and guinea pigs

Complement
Davies C; Goose J
1981 Parasite Immunol 3 (2) Summer 81-96 Wa
Fasciola hepatica, killing of newly excysted juveniles in previously sensitized rats observed by light, scanning electron, and transmission electron microscopy, involvement of eosinophils and mast cells, neutrophils not actively involved in early stages of immune damage, C3 not bound to surface of challenge flukes either in vivo or in vitro in immune serum

Complement
Dessein A et al
1981 Parasitology 82 (3) June 357-374 Wa
Schistosoma mansoni, immune evasion, loss of susceptibility to antibody- or complement-dependent eosinophil attack by schistosomula cultured in medium free of macromolecules

Complement
Dias da Silva W; Kazatchkine MD
1980 Exper Parasitol 50 (2) Oct 278-286 Wa
Schistosoma mansoni, activation of alternative pathway of human complement by schistosomula

Complement
Doy TG; Hughes DL; Harness E
1980 Research Vet Sc 29 (1) July 98-101 Wa
Fasciola hepatica, selective in vitro adherence by rat eosinophils to newly excysted flukes in presence of immune serum (independent of complement, not affected by age of sensitizing infection, and not induced by artificially raised antisera to dead fluke antigens)

Complement
Faghihi Shirazi M et al
1980 Parasite Immunol 2 (2) Summer 155-161 Wa
Trypanosoma brucei-infected mice, complement (C3) levels, effect of C3 depletion, unlikely that C3 has any role in immunodepression or in mechanism whereby mice control successive variant populations of T. brucei in blood

Complement
Ghose AC et al
1980 Clin and Exper Immunol 40 (2) May 318-326 Wa
Leishmania donovani, 49 active kala-azar patients, IgA, IgG, IgM, and C3 levels, antileishmanial titres in indirect haemagglutination method, IgG and IgM class-specific antibody titres in enzyme-linked immunosorbent assay method, serodiagnostic potential of ELISA

Complement
Gillin FD; Sher A
1981 Infect and Immun 34 (1) Oct 268-273 Wa
Trichomonas vaginalis activates alternative complement pathway, this reaction is responsible for lysis of this parasite observed in fresh sera

Complement
Goodger BV; Wright IG; Mahoney DF
1981 Austral J Exper Biol and Med Sc 59 (5) Oct 521-529 Wa
Babesia bovis, cattle, time of appearance and nature of immune complexes, complexes did not appear to have much pathological significance

Complement
Goodger BV; Wright IG; Mahoney DF
1981 Austral J Exper Biol and Med Sc 59 (5) Oct 531-538 Wa
Babesia bovis, acutely infected cattle, pathophysiology, changes in conglutinin, immunoconglutinin, complement C3, and fibronectin concentrations

Complement
Greene BM; Taylor HR; Aikawa M
1981 J Immunol 127 (4) Oct 1611-1618 Wm
Onchocerca volvulus, eosinophil- and neutrophil-mediated immune serum-dependent destruction of microfilariae, IgG identified as antibody class binding to microfilariae, enhancement of killing in presence of fresh serum source in mechanism that appears to be dependent on activation of complement by alternative pathway

Complement
Guerra-Caceres JG et al
1980 Parasite Immunol 2 (2) Summer 121-131 Wa
onchocerciasis, humans, mechanisms of adverse reactions produced by diethylcarbamazine (Mazzotti reaction), does not appear to require generation of circulating immune complexes or systemic complement activation but eosinophils may be involved

Complement
Haldar JP; Saha KC; Ghose AC
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Leishmania donovani, human, post kala-azar dermal leishmaniasis, serum immunoglobulin and C3 levels, specific antibody titres in indirect haemagglutination and enzyme-linked immunosorbent assay methods, overall difference compared to serological profile of kala-azar patients: India

Complement
Hammerberg B; Dangler C; Williams JF
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Taenia taeniaeformis, chemical composition of parasite factors affecting coagulation and complement cascades

Complement
Harmsen AG; Jeska EL
1980 J Reticuloendothel Soc 27 (6) June 631-637 Wa
Toxoplasma gondii-infected swine vs. normal swine or Freund's complete adjuvant-injected swine, presence of IgM, IgG, and complement receptors on alveolar macrophages and their role in phagocytosis

Complement
Hoefling KK; Schroeter AL
1980 J Am Acad Dermat 3 (3) Sept 237-240 Wm
Sarcoptes scabiei, humans, direct immunofluorescence of scabies lesions revealed IgM, IgA, $C_3$, and fibrin in cornified layer of epidermis, dermoepidermal junction, and papillary dermal vessels, findings support a humoral immune response secondary to scabetic infestation

Complement
Holbrook TW et al
1980 Infect and Immun 30 (1) Oct 58-61 Wa
Naegleria fowleri, lysis by human serum is due to activation of complement, alternative complement pathway can be directly activated by this protozoan

Complement
Incani RN; McLaren DJ
1981 Parasite Immunol 3 (2) Summer 107-126 Wa
Schistosoma mansoni, neutrophil-mediated cytotoxicity to schistosomula in vitro, kinetics of complement and/or antibody (IgG)-dependent adherence and killing

Complement
Irulegui I et al
1980 Rev Inst Med Trop S Paulo 22 (2) Mar-Apr 62-68 Wm
Trypanosoma cruzi-infected mice, conversion of the $C_3$ component of complement studied during different phases of infection

Complement
Jack RM; Ward PA
1980 J Immunol 124 (4) Apr 1566-1573 Wm
Babesia rodhaini in 2 different in vitro culture systems, interactions with complement, relationship to parasite entry into red cells

Complement
Jack RM; Ward PA
1980 J Immunol 124 (4) Apr 1574-1578 Wm
Babesia rodhaini, critical role of complement (C3) and C3b receptor in facilitating in vivo development of parasitemia in rats

Complement
Johnson P et al
1981 Parasite Immunol 3 (1) Spring 69-80 Wa
Brugia pahangi, serum-mediated adherence of feline eosinophils and neutrophils to microfilariae in vitro, involvement of IgG and complement, effect of age or origin of microfilariae

Complement
Kazura JW
1981 J Infect Dis 143 (5) May 712-718 Wa
Trichinella spiralis, in vitro study of capacity of human leukocytes in presence of serum from infected individuals and complement to destroy newborn larvae, results show that host defense is in part mediated by granulocytes and dependent on presence of IgG antibodies directed against migratory parasitic stage

Complement
Kierszenbaum F; Gottlieb CA; Budzko DB
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Trypanosoma cruzi, role of complement and lack of antibody requirement in natural resistance of chickens to infection and in lysis of T. cruzi by chicken serum in vitro

Complement
Kipnis TL et al
1981 Proc National Acad Sc 78 (1) Jan 602-605 Wa
Trypanosoma cruzi, enzymatic treatment transforms trypomastigotes into activators of alternative complement pathway and potentiates their uptake by macrophages (but without impairing intracellular survival)

Complement
Lambert PH; Berney M; Kazyumba G
1981 J Clin Invest 67 (1) Jan 77-85 Wa
Trypanosoma brucei gambiense, humans, circulating immune complexes (IC) and C3, circulating IC in relation to polyclonal B cell activation, rheumatoid factor, and anti-trypanosome antibodies, IC in cerebrospinal fluid (CSF), origin of CSF immunoglobulins and CSF IC

Complement
Lindsley HB et al
1981 Infect and Immun 33 (2) Aug 407-414 Wa
Trypanosoma rhodesiense, rabbits, detection and composition of immune complexes (trypanosomal antigens, IgG, IgM, C3), serum IgM and IgG antibodies to trypanosomes, total IgM and IgG

Complement
Loos M; Dierich MP
1980 Infect and Immun 27 (1) Jan 1-5 Wa
Onchocerca volvulus, human, mixed infection with Treponema pertenue, anticomplementary activity in sera: Togo, Africa

Complement
Lopez AF; Strath M; Sanderson CJ
1981 Immunology 43 (4) Aug 779-786 Wa
IgG and complement receptors on purified mouse eosinophils and neutrophils (Mesocestoides corti superior to Trichinella spiralis and Taenia crassiceps in inducing large numbers of eosinophils in mouse peritoneal cavity)

Complement
Macaskill JA et al
1980 Immunology 40 (4) Aug 629-635 Wa
Trypanosoma brucei, immunological clearance of $^{75}$Se-labelled trypanosomes in mice is largely accomplished by antibody-mediated hepatic phagocytosis which (at least in passively immunized animals) is dependent on opsonization involving C3, no evidence for role of intravascular lysis or activated macrophages

Complement
McGuinness TB; Kemp WM
1981 Exper Parasitol 51 (2) Apr 236-242 Wa
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Cysts
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1980 Bull Inst Maritime and Trop Med Gdynia 31 (3-4) 239-249 Wm
Giardia spp., survival of cysts in feces and in water, at various temperatures and when exposed to air drying, resistance to various chemicals and disinfectants, performance compared with that of free-living Acanthamoeba sp., applications to control waterborne infections

Cysts
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Cysts
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Himasthla quissetensis, excystment of metacercariae in vitro

Cysts
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1980 Applied and Environment Microbiol 40 (4) Oct 821-832 Wa
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Cysts
Mattern CFT; Daniel WA
[1981] J Protozool 27 (4) Nov 1980 435-439 Issued Mar 11 Wa
Tritrichomonas muris, pseudocysts, ultrastructure, excretion in feces of hamster mothers, probable role in infection of newborn hamsters

Cysts
Mehlhorn H et al
1979 Tropenmed u Parasitol 30 (3) Sept 289-300 Wa
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Cysts
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Toxoplasma gondii, Sarcocystis muris, Hammondia hammondi, ultrastructural comparison of cysts and zoites in skeletal muscle of mice

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Leptomonas spp. of Siphonaptera, ultrastructure of candidate 'cysts'

Cysts
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Giardia lamblia cysts found to be resistant to high doses of germicidal ultraviolet radiation, findings suggest that ultraviolet irradiation at conventional doses is not viable alternative method of water disinfection in areas where G. lamblia may be present

Cysts
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1980 Ann Parasitol 55 (6) Nov-Dec 645-657 Wa
Naegleria, Acanthamoeba, external morphology of cysts, scanning electron microscopy

Cysts
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1980 J Protozool 27 (3) Aug 313-315 Issued Oct 9 Wa
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Cysts
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Blastocrithidia triatomae, excystment, ultrastructural studies

Cysts
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Cysts
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1980 Tung Wu Hsueh Pao (Acta Zool Sinica) 26 (3) Sept 232-242 Wa
Philophthalmus gralli, incidence in domestic fowl, life cycle study, encystation behavior of cercaria, observations on excretory system of metacercaria, mode of infection, route of migration of worm: Fujian, China

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1981 Exper Parasitol 51 (1) Feb 8-12 Wa
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Cysts
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1980 Kobe J Med Sc 26 (4) Dec 253-267 Wm
Toxoplasma gondii, albino mice, light and transmission electron microscopic study of cyst formation, distribution, and maturation in brains, serological and histological host responses

Cysts
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Cytochemistry See Biochemistry; Histochemistry

Cytological diagnosis See Diagnosis

Cytology [See also Morphology]

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Cytology
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[1980] J Parasitol 65 (6) Dec 1979 964-966 Issued Apr 2 Wa
Schistosoma mansoni, in vitro effects of actinomycin-D on gastrodermis of schistosomules, treated schistosomules were incapable of ingesting red blood cells

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Cytology
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1980 Cell and Tissue Research 208 (1) May 35-45 Wa
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Cytology
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Rhipicephalus appendiculatus, salivary gland, changes in ultrastructure of type III acinus in course of feeding, cellular basis for fluid secretion in type III acinus

Cytology
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1981 J Parasitol 67 (5) Oct 697-701 Wa
Ascaris suum, accessory nuclei observed in early meiotic prophase in female worms but absent in meiosis in males, accessory nuclei also observed during prediminution embryonic divisions in some embryos but not in others

Cytology
Herbaut C et al
1980 Ann Parasitol 55 (6) Nov-Dec 679-685 Wa
Trichinella spiralis, oogenesis, ultrastructure

Cytology
Loehr KA; Mead RW
[1980] J Parasitol 65 (6) Dec 1979 886-889 Issued Apr 2 Wa
Hymenolepis citelli, maceration technique for study of cytological development

Cytology
Loehr KA; Mead RW
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Hymenolepis citelli, changes in embryonic cell frequencies in germinative and immature regions, correlation with changes in wet weight (growth rate) and developmental stages

Cytology
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1980 Tissue and Cell 12 (2) 383-394 Wa
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Cytology
Otubanjo OA
1981 Parasitology 82 (1) Feb 125-130 Wa
Schistosoma mansoni, sustentacular cells of testes, complexity and subcellular characteristics, possible functions

Cytology
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1980 Cell and Tissue Research 206 (3) Mar 487-500 Wa
Polypodium hydriforme, morphology, ultrastructure, and development of parasitic larva and its surrounding trophamnion: Volga delta (near Astrakhan)

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Saxena AK; Agarwal GP
1980 Experientia 36 (1) Jan 15 68 Wm
Lipeurus lawrensis tropicalis, oenocytes

Cytology
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Cytology
Trimble JJ III; Thompson SA
1980 Cell and Tissue Research 205 (1) Jan 55-65 Wa
Ascaris suum, intestinal epithelium, strong electronegative charge on microvillar surface and basal membrane believed due to carboxyl groups of uronic acid and/or acidic amino acids

Cytology
Williams JB
1981 Austral J Zool 29 (2) 131-145 Wa
Temnocephala novaezealandiae, structure of flame cells and main vessels, protonephridial system probably functions in osmoregulation and ionic regulation, and perhaps also participates in excretion of nitrogenous wastes

Cytology, Protozoa [See also Morphology, Protozoa]

Cytology, Protozoa
de Andrade PP; de Almeida DF
1980 Exper Parasitol 50 (1) Aug 57-66 Wa
Herpetomonas samuelpessoai, model which accounts for relationship between microtubule arrangement, changes in cell volume, and transition from elongate (promastigote) to more spherical (para- and opisthomastigote) forms

Cytology, Protozoa
Curgy JJ; Vavra J; Vivares C
1980 Biol Cell 38 (1) May 49-52 Wa
Thelohania maenadis, Inodosporus sp., presence of ribosomal RNAs with prokaryotic properties in these eukaryotic organisms, phylogenetic implications

Cytology, Protozoa
Current WL
1980 J Protozool 27 (3) Aug 278-287 Issued Oct 9 Wa
Cryptobia sp., 2 populations (attached and free swimming) within spermatheca of Triadopsis multilineata, fine structure of attached flagellates and their mode of attachment to spermatheca, venereal mode of transmission suggested: Platte River near Louisville, Sarpy Co., Nebraska

Cytology, Protozoa
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1980 Molec and Biochem Parasitol 1 (5) Sept 279-289 Wa
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Cytology, Protozoa
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Giardia spp., isolation and structure of ventral sucking disk cytoskeleton, tubulin and low-molecular-weight protein associated with microribbon structures

Cytology, Protozoa
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Trypanosoma cobitis in Hemiclepsis marginata, ultrastructure of epimastigotes, presence of bacteria-like bodies in cytoplasm

Cytology, Protozoa
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Cytology, Protozoa
Piras MM; de Rodriguez OO; Piras R
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Trypanosoma cruzi, preparation of pure flagella from epimastigotes, fractionation into axonemes and flagellar membranes, identification of antigens present in both subfractions that react with human chagasic sera

Cytology, Protozoa
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Wa
Phytomonas davidi from plant host, from insect vector, and from culture medium, ultrastructure

Cytology, Protozoa
Rovis L; Baekkeskov S
1980 Parasitology 80 (3) June 507-524 Wa
Trypanosoma brucei, subcellular fractions, isolation, partial purification, chemical and enzymatic characterization, special emphasis on plasma membranes

Cytology, Protozoa
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Trypanosoma cruzi epimastigotes, chromatin found to be arranged in subunit structure by demonstration of (i) nu-bodies, (ii) monomeric and oligomeric DNA fragments, and (iii) 4 basic nuclear proteins

Cytology, Protozoa
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1981 Tr Roy Soc Trop Med and Hyg 75 (1) 168-171
Wa
Blastrocithidia triatomae, excystment, ultrastructural studies

Cytology, Protozoa
Solari AJ
1980 Chromosoma 78 (2) 239-255 Wa
Trypanosoma cruzi, 3-dimensional fine structure of mitotic spindle

Cytology, Protozoa
Solari AJ
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Wa
Trypanosoma cruzi, function of dense plaques during mitosis

Cytology, Protozoa
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1980 J Parasitol 66 (2) Apr 229-235 Wa
Trypanosomatidae spp., flagellum, fine structure and cytochemistry, paraxial structure

Cytology, Protozoa
Steiger RF; Opperdoes FR; Bontemps J
1980 European J Biochem 105 (1) Mar 17 163-175
Wa
Trypanosoma brucei bloodstream forms, subcellular fractionation with reference to enzymes as potential markers representative of different subcellular components with special emphasis on digestive system in order to provide baseline for evaluation of endocytotic and digestive capacity

Cytology, Protozoa
Taylor MB et al
1980 Internat J Biochem 11 (2) 117-120 Wm
parasitic flagellated protozoa, subcellular localization of some glycolytic enzymes, glycosome is probably organelle unique to members of Kinetoplastida

Cytology, Protozoa
Wunderlich F; Falk H; Koenigk E
1980 J Parasitol 66 (6) Dec 1063-1065 Issued May 6 1981 Wa
Plasmodium knowlesi, nucleosomal organization of chromatin

Czechoslovakia
Klabanova V
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helminths of dogs, survey with emphasis on Toxocara canis: Ceske Budejovice

DNA See Nucleic acids

Dermal tests See Immunity, Skin tests

Dermatitis [See also Skin]

**Dermatitis, Arthropoda**
**Abu-Samra MT et al**
**1981 Ann Trop Med and Parasitol 75 (6) Dec 639-645 Wa**
**Sarcoptes scabiei var. ovis, sheep, severe outbreaks, clinical observations, unusual distribution of lesions, histopathology, result of treatment with 3 acaricides: Sudan**

Dermatitis, Arthropoda
Abu-Samra MT; Imbabi SE; Mahgoub ES
1981 Ann Trop Med and Parasitol 75 (6) Dec 627-637 Wa
mange in domestic animals, survey, clinical picture, histopathology, treatment; new technique for isolation of Demodex folliculorum var. bovis: Sudan

Dermatitis, Arthropoda
Farkas J
1979 Dermat Monatschr 165 (12) Dec 858-861 Wm
Neotrombicula spp., human infestations, localizations on body, seasonal distribution

Dermatitis, Arthropoda
Grosshans E et al
1980 Ztschr Hautkrankh 55 (18) Sept 15 1211-1218 Wm
rosacea, human, immunological reactions to Demodex caprae antigens, histogenesis of granulomatous lesions provoked by demodectic fragments in facial skin in rosacea could be based on immunological mechanism, topical acaricides may be useful in treatment

Dermatitis, Arthropoda
Hayatee ZG; Al-Janabi BM; Al-Sadi HJ
1979 Ann Coll Med Mosul 10 (1) Jan 19-22 Wm
Dermanyssus gallinae, outbreak in humans causing itching, erythema, and allergic reactions, pigeons living and nesting on local buildings apparent source: Mosul Medical College, Mosul, Iraq

Dermatitis, Arthropoda
Naltsas S et al
1980 Cutis 25 (4) Apr 429-431 Wm
Dermanyssus americanus causing eczematous dermatitis in woman, sparrows had nested outside bedroom window, mites found on patient's bedroom furniture; review of possible mite infestations that can affect humans

**Dermatitis, Arthropoda**
**Reunala T et al**
**1980 Duodecim 96 (13) 897-902 Wm**
**Lipoptena cervi, man, case report, cause of chronic dermatitis: Finland**

**Dermatitis, Arthropoda**
**Rufli T et al**
**1981 Dermatologica 162 (1) 12-26 Wm**
**Demodex folliculorum causing rosacea facial lesions or perioral dermatitis, humans, therapy with hexachlorocyclohexane**

**Dermatitis, Arthropoda**
**Rufli T et al**
**1981 Praxis Bern 70 (14) Mar 31 622-630 Wm**
**Demodex folliculorum, D. brevis, humans, dermatitis, incidence, pathology, possible role in etiology of other skin infections**

**Dermatitis, Arthropoda**
**Rufli T; Mumcuoglu Y**
**1981 Praxis Bern 70 (10) Mar 3 414-429 Wm**
**Sarcoptes scabiei var. hominis, humans, increasing incidence, pathology, differential diagnosis, various dermatologic presentations and their clinical courses compared, review of some animal scabies and their presentations in man, therapeutic recommendations**

**Dermatitis, Arthropoda**
**Thoday KL**
**1981 Brit Vet J 137 (2) Mar-Apr 133-154 Wa**
**modern diagnostic techniques in small animal clinical dermatology, review, includes information on ectoparasitic infestations**

Dermatitis, Arthropoda
Vasconcelos W
1979 Med Cutan Ibero-Latino Am 7 (4-6) 115-126 Wm
human dermatitis (parasitic and non-parasitic causes), myiasis, diagnosis, clinical aspects, therapy, case reports, suggested classifications for use in a tropical area such as Brazil

Dermatitis, Arthropoda
Yunker CE et al
1980 J Wildlife Dis 16 (3) July 347-356 Wa
Ursicoptes americanus in Ursus americanus (skin), clinical mange; description of male, nymph, and larva: Nez Perce National Forest, north-central Idaho

**Dermatitis, Nematoda**
**Langham ME; Richardson R**
**1981 Tropenmed u Parasitol 32 (3) Sept 171-180 Wa**
**Onchocerca volvulus, patients with skin snips negative for microfilariae, 2 methods used to clarify diagnosis (histologic and electron microscopic examination of skin for characteristic dermatitis; dermal response to topical application of diethylcarbamazine): Liberia**

Dermatitis, Nematoda
Malviya HC
1974 Indian J Helminth 24 (1-2) Mar-Sept 1972 68-71 Issued Sept 1 Wa
incidence of stephanofilarial dermatitis, cattle and buffalo: Andaman Islands; Bareilly

Dermatitis, Nematoda
Vasconcelos W
1979 Med Cutan Ibero-Latino Am 7 (4-6) 115-126 Wm
human dermatitis (parasitic and non-parasitic causes), myiasis, diagnosis, clinical aspects, therapy, case reports, suggested classifications for use in a tropical area such as Brazil

Dermatitis, Protozoa
Dutta JK; Chadha SK
1978 Indian J Med Research 68 July 52-54 Wa
toxoplasmosis, incidence of infection in patients who develop rashes assessed using indirect hemagglutination test: India

Dermatitis, Protozoa
Topi GC et al
1978 Med Cutan Ibero-Latino-Am 6 (3-4) 185-192 Wm
Toxoplasma gondii, humans, case reports, chronic prurigo, toxoplasms demonstrated in lesions by means of conventional stains, and by immunofluorescence

Dermatitis, Protozoa
Topi G et al
1979 Boll Ist Dermat S Gallicano 10 (1) 5-51 Wm
Toxoplasma gondii, human, etiologic agent in various dermatologic conditions, case reviews, clinical pathology, serological findings

Dermatitis, Schistosome See Dermatitis, Trematoda

Dermatitis, Trematoda
Catto BA; Lewis FA; Ottesen EA
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 886-889 Wa
Schistosoma mansoni, cercariae (but not schistosomules) are capable of activating release of histamine from rat peritoneal mast cells in vitro, this reaction may function in vivo to serve as causal factor in pathogenesis of 'swimmer's itch'

Dermatitis, Trematoda
Damian RT et al
1981 Am J Trop Med and Hyg 30 (4) July 836-843 Wa
Schistosoma mansoni, multiply-infected Papio cynocephalus, antibody responses, immunoglobulin classes (enzyme-linked immunosorbent assay, slide flocculation, circumoval precipitation, passive cutaneous anaphylaxis, and opsonization tests), immediate hypersensitivity responses (cercarial dermatitis, direct skin testing with adult worm antigen)

Dermatitis, Trematoda
Farka J
1980 Dermat Monatschr 166 (11) Nov 747-750 Wm
cercarial dermatitis in man who stood in Danube River while fishing, clinical report: Bratislava

Dermatitis, Trematoda
Guth BD et al
1979 Proc Helminth Soc Washington 46 (1) Jan 58-63 Issued Mar 14 Wa
schistosomes in birds (feces), causative agents of swimmer's itch, prevalence, correlation with host age (hatching-year vs. after hatching-year): lower Michigan

Dermatitis, Trematoda
Leedom WS; Short RB
1981 J Parasitol 67 (2) Apr 257-261 Wa
Cercaria pomaceae sp. n. from Pomacea paludosa, cercarial dermatitis produced on forearms of human volunteers, variation in size of cercariae from different snails

Dermatitis, Trematoda
Qadripur SA; Bosse K
1980 Ztschr Hautkrankh 55 (20) Oct 15 1390-1393 Wm
cercarial dermatitis, humans, general clinical review

Dermatitis, Trematoda
Shimizu M; Matsuoka S; Ando K
1981 J Dermat 8 (2) Apr 117-124 Wm
Gigantobilharzia sturinae and other avian schistosomes as cause of human cercarial dermatitis, clinical review (distribution, seasonal incidence, pathology, intermediate hosts, control measures): Japan

Dermatitis, Trematoda
Vasconcelos W
1979 Med Cutan Ibero-Latino Am 7 (4-6) 115-126 Wm
human dermatitis (parasitic and non-parasitic causes), myiasis, diagnosis, clinical aspects, therapy, case reports, suggested classifications for use in a tropical area such as Brazil

Desiccation [See also Humidity; Water]

Desiccation
Cabaret J
1980 Ann Parasitol 55 (5) Sept-Oct 571-581 Wa
protostrongylid 1st stage larvae, relationship between motility and infectivity, effect of various factors (parasite age, density, temperature, light, ions, desiccation), epidemiological implications

Desiccation
Christensen NO; Frandsen F; Roushdy MZ
1980 Ztschr Parasitenk 64 (1) 47-63 Wa
Echinostoma liei, influence of various physicochemical environmental conditions on egg hatchability; miracidial host-finding capacity and level of parasitisation in Biomphalaria glabrata, susceptibility of different snails to infection, cercarial and metacercarial infectivity in relation to some first and second intermediate host-related factors, cercarial shedding, metacercarial longevity

Desiccation
Cliff GM; Anderson RC
1980 J Helminth 54 (2) June 135-146 Wa
Pelodera strongyloides, development in culture, description of adults and developmental stages, effect of temperature on development, longevity of adults, exsheathment and development of dauerlarvae, storage of dauerlarvae, effect of freezing and desiccation on survival of dauerlarvae

Desiccation
Conder GA
1978 Proc Helminth Soc Washington 45 (2) July 230-232 Issued Aug 30 Wa
Haemonchus contortus free-living stages, effect of ultraviolet radiation on survival, only third-stage larvae found to be resistant, UV radiation and desiccation have an additive deleterious effect

Desiccation
Estes SA; Arlian L
1981 J Am Acad Dermat 5 (3) Sept 343 Wm
Sarcoptes scabiei, survival in mineral oil suspension up to 7 days, water balance is critical factor which the oil preparation protects by restricting transpiratory loss thus preventing rapid dehydration

Desiccation
Gibson TE; Everett G; Whitehead J
1981 Internat J Biometeorol 25 (3) Sept 223-225 Wa
Ostertagia circumcincta, survival of free living stages during drought: England

Desiccation
Kasprzak W; Mazur T; Matylla W
1980 Bull Inst Maritime and Trop Med Gdynia 31 (3-4) 239-249 Wm
Giardia spp., survival of cysts in feces and in water, at various temperatures and when exposed to air drying, resistance to various chemicals and disinfectants, performance compared with that of free-living Acanthamoeba sp., applications to control waterborne infections

Desiccation
Rondelaud D; Barthe D
1980 Ztschr Parasitenk 62 (1) 95-104 Wa
Fasciola hepatica, parthenitae, degeneration or without development in Lymnaea truncatula (exper.), influence of snail breeding temperature, body volume of snail, and drying of ground on degeneration

Desiccation
Rose JH; Small AJ
1980 Parasitology 81 (3) Dec 507-517 Wa
Oesophagostomum dentatum, development and survival of free-living stages in natural environments out-of-doors (effect of climatic conditions) and under controlled conditions in laboratory (effect of temperature and humidity)

Desiccation
Rose JH; Small AJ
1981 J Helminth 55 (2) June 109-113 Wa
Oesophagostomum dentatum, growth of pasture herbage as well as weather affects development and survival of free-living stages

Desiccation
Vogt WG; Woodburn TL
1980 Bull Entom Research 70 (4) Dec 665-671 Wa
Lucilia cuprina, effects of temperature and desiccation on survival and development of egg stage, ecological implications

Desiccation
Wharton DA
1980 Parasitology 81 (1) Aug 103-113 Wa
function of oxyurid egg-shell

Desiccation
Wharton DA
1981 Internat J Parasitol 11 (5) Oct 353-357 Wa
Trichostrongylus colubriformis infective larvae, initiation of coiling behavior prior to desiccation

Desoxyribonucleic acid *See* Nucleic acids

Development [*See also* Embryology; Growth; Life cycle]

Development, Acanthocephala
Asaolu SO et al
1981 Parasitology 83 (1) Aug 23-32 Wa
Moniliformis dubius, development of ovarian balls, light and transmission electron microscopy

Development, Acanthocephala
Helle E; Valtonen ET
1980 Canad J Zool 58 (2) Feb 298-303 Wa
Corynosoma strumosum, C. semerme, prevalence and location in Pusa hispida botnica, sex ratio, growth, and development of parasite: Bothnian Bay, Finland

Development, Acanthocephala
Hutton TL; Oetinger DF
1980 J Parasitol 66 (6) Dec 965-972 Issued May 6 1981 Wa
Moniliformis moniliformis, origin and development of proboscis hooks, ultrastructural observations

Development, Acanthocephala
Kurbanov MN
1978 Izvest Akad Nauk Azerbaidzhan SSR s Biol Nauk (5) 74-77 Wa
Sphaerirostris teres, description, development of acanthella to sexual maturity in final host

Development, Acanthocephala
Marchand B; Mattei X
1980 Compt Rend Soc Biol Paris 174 (5) 933-936 Wa
Pallisentis golvani, during spermiogenesis the plasmic membrane surrounding the flagellum forms a nucleocytoplasmic groove rather than a cytoplasmic canal

Development, Acanthocephala
Samuel G; Bullock WL
1981 J Parasitol 67 (2) Apr 214-217 Wa
Paratenuisentis ambiguus, life cycle and larval development in amphipod and eel hosts: Oyster River, Durham, New Hampshire

Development, Acanthocephala
Uznanski RL; Nickol BB
1980 J Parasitol 66 (3) June 506-512 Wa
Leptorhynchoides thecatus in Hyalella azteca, sequential ranking system for developmental stages which recognizes 22 stages; redescription of certain aspects of development; description of developmental anomalies thought to be induced by high temperatures

Development, Arthropoda
Beck JT
1980 Am Midland Naturalist 104 (1) July 135-154 W[illegible]
Probopyrus pandalicola on Palaemonetes paludosus, breeding season, brood size (annual and seasonal variation, relationship to host length, independent of host sex), attachment and size development of male and female parasites, host and parasite population structure and longevity: Wakulla Co., Florida

Development, Arthropoda
Beliaeva NS
1975 Parazitologiia Leningrad 9 (4) July-Aug 352-353 Wa
Dermacentor silvarum, duration of development of different life cycle stages at various temperatures, implications for distribution in nature

Development, Arthropoda
Chmela J
1969 Folia Parasitol 16 (4) 313-319 Wa
Ixodes ricinus, time intervals between hatching, metamorphosis, and diapause of different stages over 3-year period, seasonal occurrence: Olomouc region, Moravia

Development, Arthropoda
Cook IM; Spain AV
1981 Austral J Zool 29 (1) 7-14 Wa
Haematobia irritans exigua, immature stages, rates of development in relation to temperature and dung moisture levels, female pupae developed more rapidly than male pupae at all temperatures

Development, Arthropoda
Cook IM; Spain AV; Sinclair DF
1980 Austral J Zool 28 (4) Aug 547-552 Wa
Haematobia irritans exigua, effects of temperature and moisture levels of dung which forms larval breeding medium on size and shape of puparium

Development, Arthropoda
Gardiner WP; Gettinby G; Gray JS
1981 Vet Parasitol 9 (1) Oct 75-86 Wa
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Amblyomma americanum, woodlot-pastured Braford and Hereford heifers, fecundity and development of ticks compared: eastern Oklahoma

Development, Arthropoda
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Kiricephalus coarctatus, hatching, larval migration, development, and locomotion

Development, Arthropoda
Heath ACG
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Development, Arthropoda
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Kamala Bai M; Prasad RS
1979 J Med Entom 16 (2) Sept 28 164-165 Wa
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Development, Arthropoda
Khalil GM
1979 J Med Entom 16 (3) Oct 12 200-206 Wa
Argas persicus, life cycle in laboratory; survival capacity of unfed ticks

Development, Arthropoda
Krinsky WL
1979 J Med Entom 16 (4) Nov 7 354-355 Wa
Ixodes dammini on rabbits (exper.), development in laboratory compared with published data about I. scapularis and I. muris; some differences in feeding and mating behavior between I. muris and the other 2 species

Development, Arthropoda
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 15 (3) Mar 23 187-217 Wa
Tunga monositus on Mus musculus (skin of ear pinna) (exper.), detailed description of feeding behavior and diet, histological study of embedded fleas, development of female on host, dependence on host inflammatory and repair response for survival and reproduction

Development, Arthropoda
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 16 (2) Sept 28 85-94 Wa
Tunga monositus on laboratory Peromyscus maniculatus (ear pinna) wild-caught from 2 localities, feeding behavior, cell intake, and neosomy, histological examination of sequential serial sections, comparison with findings from Mus musculus

Development, Arthropoda
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1980 J Insect Physiol 26 (6) 381-383 Wa
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Development, Arthropoda
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1980 Vet Parasitol 7 (3) Nov 255-263 Wa
Amblyomma tholloni, life cycle under laboratory conditions, durations of developmental periods, egg productivity, attachment and feeding on hosts, attraction of males to partially fed females and sex pheromone 2,6-dichlorophenol, presence of 2,6-dichlorophenol in partially fed females

Development, Arthropoda
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Development, Arthropoda
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Development, Arthropoda
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1981 Internat J Parasitol 11 (2) Apr 127-131 Wa
Porocephalus crotali, development in Crotalus atrox (exper.) from nymph to adult, length of infection, pathology in lung

Development, Arthropoda
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1981 J Med Entom 18 (1) Feb 78-83 Wa
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Development, Arthropoda
Siuda K
1981 Folia Biol Warszawa 29 (1) 9-39 Wa
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Development, Arthropoda
Smith DH
1977 J Med Entom 14 (2) Nov 25 137-145 Wa
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Development, Arthropoda
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1980 Ann Sc Nat Zool et Biol Animale 14 s 2 (1) Jan-Mar 35-50 Wa
Hypoderma sp., bovine, oenocytes of 1st, 2nd, and 3rd larval stages, development and ultrastructure, cytological, ultrastructural, and cytochemical observations, role in lipid metabolism

Development, Arthropoda
Urawa S; Muroga K; Kasahara S
1980 J Fac Applied Biol Sc Hiroshima Univ 19 (1) July 21-38 Wa
Neoergasilus japonicus, development in copepodid stage

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Urawa S; Muroga K; Kasahara S
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Development, Arthropoda
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1980 Bull Entom Research 70 (4) Dec 665-671 Wa
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Development, Cestoda
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1981 Internat J Parasitol 11 (4) Aug 287-300 Wa
Hymenolepis nana, structural changes of oncosphere associated with postembryonic development in unimmunized mice, damage to larvae possibly attributable to host immunity in immunized mice, ultrastructural level, interaction between host cells and parasite

Development, Cestoda
Gabrion C
1981 Ztschr Parasitenk 65 (2) 191-205 Wa
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Development, Cestoda
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1970 Tr Am Micr Soc 89 (2) Apr 224-229 Issued Aug 19 Wa
Hymenolepis microstoma in Tribolium confusum (exper.), position and structure of tissue layers, cavities, and presumptive regions, developmental process

Development, Cestoda
Heath DD; Lawrence SB
1981 Internat J Parasitol 11 (4) Aug 261-266 Wa
Echinococcus granulosus, effect of sera from sheep infected with or immunized against cysts or oncospheres and developing cysts grown in vitro, study also provides new information on early metamorphosis of oncosphere to developing cyst as well as modification of culture media of Heath & Lawrence (1976)

Development, Cestoda
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Mesocestoides corti, tetrathyridium, ultrastructure, differentiation of its tissues during asexual multiplication and experimental regeneration

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Hymenolepis diminuta, rats, system for testing possible crowding factors in vitro, worms secreted substances inhibitory to growth of other worms

Development, Cestoda
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1980 Med Wet 36 (12) Dec 726-727 Wa
Echinococcus granulosus, pigs (exper.), influence of various sexual hormones on development, survival, and fertility of echinococci

Development, Cestoda
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Hymenolepis citelli, maceration technique for study of cytological development

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Loehr KA; Mead RW
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Hymenolepis citelli, changes in embryonic cell frequencies in germinative and immature regions, correlation with changes in wet weight (growth rate) and developmental stages

Development, Cestoda
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1980 Proc Helminth Soc Washington 47 (1) Jan 1-9 Issued Feb 15 Wa
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Development, Cestoda
Mills GL; Taylor DC; Williams JF
1981 Molec and Biochem Parasitol 3 (5) Sept 301-318 Wa
Taenia taeniaeformis metacestodes, lipid composition, lipid changes at different growth stages

Development, Cestoda
Mudry DR; Arai HP
1973 Canad J Zool 51 (7) July 781-786 Wa
Hunterella nodulosa in Limnodrilus udekemianus (exper.) and Catostomus commersoni (nat. and exper.), life cycle from egg to adult, pattern of growth in size and organ development in adults; method of egg collection, selection of uninfected exper. hosts: Nose Creek, Calgary, Alberta

Development, Cestoda
Osuna Carrillo A et al
1977 Rev Iber Parasitol 37 (3-4) July-Dec 365-374 Wa
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Development, Cestoda
Rausch RL; D'Alessandro A; Rausch VR
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Development, Cestoda
Roberts LS
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Hymenolepis diminuta, development in its definitive host, review

Development, Cestoda
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1981 Parasitology 83 (1) Aug 77-90 Wa
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Development, Cestoda
Smyth JD
1979 Ang Parasitol 20 (3) Sept 137-147 Wa
Echinococcus granulosus, E. multilocularis, in vitro culture of strobilar stages, appearance of extra scolex in some developing E. multilocularis strobila after prolonged culture

Development, Cestoda
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1981 J Parasitol 67 (2) Apr 278-279 Wa
Hymenolepis diminuta, rostellar glands, paraldehyde fuchsin staining following destrobilization and surgical reimplantation into rats, results indicate strong correlation between activity of these modified tegumentary cells and development of the strobila

Development, Cestoda
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Development, Cestoda
Williams DD
1980 Proc Helminth Soc Washington 47 (1) Jan 138-139 Issued Feb 15 Wa
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Development, Host
Armstrong E
1980 Ztschr Parasitenk 63 (2) 145-150 Wa
Nosema whitei in Tribolium castaneum (exper.), effects of crowding on host mortality and cannibalism, pupation and adult emergence, weight changes, and infection levels

Development, Host
Harlos J; Brust RA; Galloway TD
1980 Canad J Zool 58 (2) Feb 215-220 Wa
Culicimermis sp. reared through 4 successive generations in Aedes vexans, effect of host diet, host sex, and multiple parasitism on size of postparasites, effect of parasitism on ovarian development of host: Manitoba, Canada

Development, Host
Milner RJ; Lutton GG
1980 J Invert Path 36 (2) Sept 198-202 Wa
Pleistophora oncoperae in Oncopera alboguttata, incidence by host age and sex, no adverse effects on duration of larval and pupal development, adult life span, number of eggs laid, or fecundity; transovum transmission, role in biological control

Development, Host
Schmidt SP; Platzer EG
1980 J Invert Path 36 (2) Sept 240-254 Wa
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Raikova EV
1980 Cell and Tissue Research 206 (3) Mar 487-500 Wa
Polypodium hydriforme, morphology, ultrastructure, and development of parasitic larva and its surrounding trophamnion: Volga delta (near Astrakhan)

Development, Nematoda
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1981 Cell and Tissue Research 214 (3) 553-567 Wa
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Development, Nematoda
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nematodes, sheep, epidemiology, control, seasonal distribution in various rainfall zones, review: Australia

Development, Nematoda
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1981 Indian J Animal Sc 51 (4) Apr 459-465 Wa
Gaigeria pachyscelis, goats, sheep, monthly incidence and intensity of infection, effect of temperature and relative humidity on embryonic development and hatching of eggs and on formation of pre-parasitic larval stages: abattoir of Bareilly, India

Development, Nematoda
Aoki Y; et al
1980 J Parasitol 66 (3) June 449-457 Wa
Brugia pahangi, development of surface features from 3rd stage to adult worm, scanning electron microscopy

Development, Nematoda
Bain O; Petit G; Berteaux S
1980 Ann Parasitol 55 (2) Mar-Apr 225-237 Wa
Litomosoides petteri n. sp., L. legerae n. sp., development in Bdellonyssus bacoti

Development, Nematoda
Baker MR
1979 Canad J Zool 57 (1) Jan 161-178 Wa
Rhabdias americanus, R. ranae, free-living and parasitic development in amphibians: Guelph, Ontario, Canada

**Development, Nematoda**
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**1981 Am J Vet Research 42 (7) July 1188-1191 Wa**
**gastro-intestinal nematodes, use of tracer calves to determine seasonal development of and variations in numbers and species of infective larvae on irrigated pastures near Oak Grove, California**

**Development, Nematoda**
**Balaraman K; Das PK; Rajagopalan PK**
**1981 Indian J Med Research 73 Suppl Jan 144-146 Wa**
**Biochemical studies of some mosquitoes in relation to development of Wuchereria bancrofti**

Development, Nematoda
Bolla R; Weinstein PP
1980 Comp Biochem and Physiol 66B (4) 475-491 Wa
Nippostrongylus brasiliensis, acid protease activity during development and aging of free-living and parasitic stages

Development, Nematoda
Cawthorn RJ; Anderson RC
1980 Canad J Zool 58 (1) Jan 94-108 Wa
Diplotriaena tricuspis, development in intermediate and definitive hosts

**Development, Nematoda**
**Chauhan PPS; Pande BP**
**1981 Indian J Animal Sc 51 (4) Apr 439-445 Wa**
**Neoascaris vitulorum, bubaline and bovine strains, embryonic development of eggs up to infective stage, morphology of first- and second-stage larvae**

Development, Nematoda
Cliff GM; Anderson RC
1980 J Helminth 54 (2) June 135-146 Wa
Pelodera strongyloides, development in culture, description of adults and developmental stages, effect of temperature on development, longevity of adults, exsheathment and development of dauerlarvae, storage of dauerlarvae, effect of freezing and desiccation on survival of dauerlarvae

Development, Nematoda
Douvres FW; Thompson MJ; Robbins WE
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Ostertagia ostertagi in vitro, effect of insect-growth-disrupting amines and amides on development, highly nematicidal, exert lethal effects at time of molt

**Development, Nematoda**
**Eberhard ML; Orihel TC**
**1981 J Parasitol 67 (4) Aug 556-564 Wa**
**Loa loa in experimental primate hosts, development from infective to adult stage, morphology, differences in growth rate between sexes**

Development, Nematoda
Eysker M
1980 Vet Parasitol 6 (4) Mar 369-379 Wa
Chabertia ovina, Oesophagostomum venulosum, sheep, significance of inhibited development in epidemiology: Utrecht State University, The Netherlands

Development, Nematoda
Eysker M
1981 Ztschr Parasitenk 65 (3) 343-351 Wa
Haemonchus contortus, effects of pregnancy and lactation on survival and development of single dose of larvae which were conditioned for inhibited development and of such a primary infection on resistance to reinfection

**Development, Nematoda**
**Eysker M**
**1981 Research Vet Sc 30 (1) Jan 62-65 Wa**
**Haemonchus contortus, Ostertagia circumcincta, inhibited development, conditioning effect of standard culture conditions at different times of year in lambs of increasing age, effect of prolonging culture period to 12 day period, effect of storage of infective larvae at 15°C or 16°C and 4°C**

**Development, Nematoda**
**Franz M; Schulz-Key H**
**1981 Tr Roy Soc Trop Med and Hyg 75 (1) 141-142 Wa**
**Onchocerca volvulus, microfilaria, sausage-, 2nd-, and 3rd-stage larvae in vector, scanning electron microscopy of anterior region**

Development, Nematoda
Fusco AC
1980 Proc Helminth Soc Washington 47 (1) Jan 63-71 Issued Feb 15 Wa
Spirocamallanus cricotus, larval development in Tigriopus californicus (hemocoel) (exper.), description of first-, second-, and third-stage larvae; experimental infection of Penaeus setiferus but not Mesochra sp.

Development, Nematoda
Gass RF; Tanner M; Weiss N
1979 Ztschr Parasitenk 61 (1) 73-82 Wa
Dipetalonema viteae third-stage larvae, development within micropore chambers implanted into jirds, hamsters, normal and immunized mice; antibody production against cuticle and common antigens by immunized mice led to inhibited third- and fourth-stage larvae, increased larval mortality, and impaired larval motility

Development, Nematoda
Griffin L
1980 Vet Parasitol 7 (2) Sept 123-131 Wa
Haemonchus contortus, sheep of different hemoglobin types (exper.), phenothiazine treatment shortly after patency, faecal egg output, haematological indices, and worm burden (of arrested larvae and adults) at intervals after infection; removal of adult worms by treatment did not stimulate resumption of development of arrested larvae, hemoglobin type may be factor in arrest of larvae as it is in resistance to adult worms

**Development, Nematoda**
**Harlos J; Brust RA; Galloway TD**
**1980 Canad J Zool 58 (2) Feb 215-220 Wa**
**Culicimermis sp. reared through 4 successive generations in Aedes vexans, effect of host diet, host sex, and multiple parasitism on size of postparasites, effect of parasitism on ovarian development of host: Manitoba, Canada**

Development, Nematoda
Hashiguchi Y et al
1981 J Helminth 55 (3) Sept 189-196 Wa
Onchocerca volvulus, intake of and damage to microfilariae by Simulium ochraceum, early development in vector maintained under natural conditions of Guatemalan endemic focus, fly survival rates, microfilarial skin densities and numbers of microfilariae ingested by flies collected from different biting sites in each infected person

Development, Nematoda
Hasslinger MA
1981 Berl u Munchen Tierarztl Wchnschr 94 (1) Jan 1 1-5 Wa
strongyles, horses, effect of various temperatures on development of exogenous stages under laboratory conditions and occurring naturally on pasture

Development, Nematoda
Hasslinger MA; Schwaerzler C
1980 Berl u Munchen Tierarztl Wchnschr 93 (7) Apr 1 132-135 Wa
Trichosomoides crassicauda, development and migration in rat, inability to penetrate diaplacental barrier, diagnosis by flotation of feces-urine mixture better than immunofluorescence technique, eggs resistant to disinfectants

Development, Nematoda
Herbaut C et al
1980 Ann Parasitol 55 (6) Nov-Dec 679-685 Wa
Trichinella spiralis, oogenesis, ultrastructure

Development, Nematoda
Hominick WM; Aston AJ
1981 Parasitology 83 (1) Aug 67-75 Wa
Pelodera strongyloides larvae in Apodemus sylvaticus (conjunctival sacs (lacrimal fluid), skin (hair follicles)) and Clethrionomys glareolus (conjunctival sacs (lacrimal fluid)), description, development: Silwood Park, Ashurst Lodge, Ascot, Berks.

Development, Nematoda
Hulinska D
1968 Folia Parasitol 15 (1) 15-27 Issued Mar Wa
Enterobius vermicularis, development of female, morphogenesis of its sexual organ

Development, Nematoda
Jørgensen RJ
1980 Exper Parasitol 49 (1) Feb 106-115 Wa
Dictyocaulus viviparus, migration in agar of larvae subjected to variety of physicochemical exposures

Development, Nematoda
Kaya HK; Moon RD
1980 Ann Entom Soc Am 73 (5) Sept 547-552 Wa
Heterotylenchus autumnalis development, influence of protein in diet of host, Musca autumnalis

Development, Nematoda
Kondrashkova AN
1980 Biol Nauki Min Vyssh i Sredn Spetsial Obrazovan SSSR (200) (8) 48-54 Wa
Syngamus skrjabinomorpha, poultry (exper.), postembryological development; statistical methods used

Development, Nematoda
Kurihara T; Maeda R
1980 Mosquito News 40 (4) Dec 643-645 Wa
Romanomermis culicivorax, development in pupal and adult Culex pipiens molestus

Development, Nematoda
Lok JB; Cupp EW; Bernardo MJ
1980 Tropenmed u Parasitol 31 (4) Dec 498-506 Wa
Onchocerca lienalis, development in Simulium decorum and S. pictipes, O. volvulus, development in S. decorum (all exper.), parental females of several geographic strains plus colonized flies used, fresh and cryopreserved microfilariae used, effect of microfilarial dosage

Development, Nematoda
McClelland G
1980 Exper Parasitol 49 (2) Apr 175-187 Wa
Phocanema decipiens in Phoca vitulina and Halichoerus grypus (both nat. and exper.), parasite growth, reproduction, survival (in sensitizing and challenge infections), and sex ratio; parasite incidence in free-living hosts varied seasonally and with host age: Nova Scotia

Development, Nematoda
Nwaorgu OC; Connan RM
1980 J Helminth 54 (3) Sept 223-232 Wa
Strongyloides papillosus, migration in rabbits following infection by oral and subcutaneous routes; prolonged presence of larvae in muscles may be analogous to arrested development of other nematodes, immunity is unimportant factor in aetiology of arrested development in this case since deliberate immunization resulted in very few larvae in muscles upon challenge

Development, Nematoda
Nwaorgu OC; Connan RM
1980 Vet Parasitol 7 (4) Dec 339-346 Wa
Strongyloides papillosus, importance of arrested larvae in maintenance of patent infections in rabbits and sheep

Development, Nematoda
Petit G
1981 Ann Parasitol 56 (1) 81-93 Wa
Dipetalonema dessetae, role of $R_1$ cell in elaboration of musculature of adult filaria, ultrastructural analysis

Development, Nematoda
Quentin JC; Seguignes M
[1980] Ann Parasitol 54 (6) Nov-Dec 1979 637-644 Wa
Gongylonema mucronatum, life cycle, morphology of developmental stages

Development, Nematoda
Quentin, JC; Verdier JM
[1980] Ann Parasitol 54 (6) Nov-Dec 1979 621-635 Wa
Maupasina weissi, life cycle, morphology of developmental stages, development of cephalic structures

Development, Nematoda
Reid GDF
1979 Ann Trop Med and Parasitol 73 (6) Dec 577-581 Wa
Onchocerca volvulus, development to 3rd stage larvae in Simulium ornatum and S. lineatum, possible use as laboratory models

Development, Nematoda
Renz A; Wenk P
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 166-168 Wa
Litomosoides carinii, intracellular development in Ornithonyssus bacoti

Development, Nematoda
Rogers WP
1980 Comp Biochem and Physiol 66A (4) 631-635 Wa
Haemonchus contortus, insect juvenile hormone, action on hatching of eggs, role in development of infective and non-infective stages

Development, Nematoda
Rojo-Vazquez FA
1977 Rev Iber Parasitol 37 (1-2) Jan-June 27-36 Wa
Trichostrongylus axei, T. colubriformis, pre-parasitic development and survival on pasture herbage

Development, Nematoda
Rose JH; Small AJ
1980 Parasitology 81 (3) Dec 507-517 Wa
Oesophagostomum dentatum, development and survival of free-living stages in natural environments out-of-doors (effect of climatic conditions) and under controlled conditions in laboratory (effect of temperature and humidity)

Development, Nematoda
Schulz-Key H; Jean B; Albiez EJ
1980 Tropenmed u Parasitol 31 (1) Mar 34-40 Wa
Onchocerca volvulus, females, observations on normal development, pathologically altered development, and reproduction, implications for drug trial evaluations

Development, Nematoda
Schulz-Key H; Wenk P
1981 J Helminth 55 (3) Sept 161-166 Wa
Onchocerca tarsicola, Odagmia ornata and Prosimulium nigripes as vectors, larval development, observations concerning possible vectors of other filariids of Cervus elaphus: Germany

Development, Nematoda
Shelley AJ; Luna Dias APA; Moraes MAP
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 784-788 Wa
Mansonella ozzardi in Simulium amazonicum and Simulium n. sp. (both nat. and exper.), development, larval dimensions, differentiation from Onchocerca volvulus: Brazilian Amazon

Development, Nematoda
Smeal MG; Donald AD
1981 Parasitology 82 (3) June 389-399 Wa
Ostertagia ostertagi, seasonal occurrence of inhibited development, effects of transfer of strains differing in inhibition-proneness between geographical regions of Australia, results suggest that strain difference is genetically determined

Development, Nematoda
Smeal MG; Fraser GC; Robinson GG
1980 Austral Vet J 56 (2) Feb 80-86 Wa
cattle nematodes, proportions of inhibited larvae in population make-up in 3 climatic regions, seasonal trends of inhibition may be due to strain differences, climatic factors, immunity, worm density-dependence: New South Wales

Development, Nematoda
Sneller VP; Dadd RH
1981 Exper Parasitol 51 (2) Apr 169-174 Wa
Brugia pahangi, development in Aedes aegypti reared axenically on defined synthetic diet vs. in conventionally reared A. aegypti

Development, Nematoda
Sneller VP; Dadd RH
1981 Exper Parasitol 51 (3) June 335-340 Wa
Brugia pahangi, growth and development improvement with lecithin in diet of axenically reared hosts, Aedes aegypti

Development, Nematoda
Snider TG III et al
1981 Vet Parasitol 8 (2) May 173-183 Wa
Ostertagia ostertagi, calves (exper.), single doses of larvae followed by increasing multiple inoculation series, fecal egg counts, plasma pepsinogen levels, inhibited larval development, abomasal lesions, host immunological response suggested by lymphoid cell infiltration in mucosa

Development, Nematoda
Stevenson P
1979 Research Vet Sc 27 (2) Sept 193-196 Wa
Ascaris suum, rate of egg development, environmental temperature: Great Britain

Development, Nematoda
Sulgostowska T
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 65-69 Wa
Neoaplectana carpocapsae, transformation of non-invasive larvae into inhibited invasive larvae both inside and outside insect hosts, exhaustion of food resources in habitat is chief factor

Development, Nematoda
Thornton DP; Brust RA
1979 Canad J Zool 57 (8) Aug 1710-1712 Wa
Romanomermis communensis, embryonic development at different temperatures

Development, Nematoda
Tidwell MA et al
1980 Am J Trop Med and Hyg 29 (3) May 377-381 Wa
Onchocerca volvulus, human, Simulium exiguum (nat. and exper.) as vector in San Antonio area of Rio Micay, Colombia, larval development; S. metallicum shown to be relatively poor experimental host

Development, Nematoda
Tidwell MA; Tidwell MA; Munoz de Hoyos P
1980 Am J Trop Med and Hyg 29 (6) Nov 1209-1214 Wa
Mansonella ozzardi, description of larval development to infective stage in black fly species of Simulium sanguineum group which had fed on naturally infected volunteers, concluded that Simulium rather than Culicoides are principal vectors in Mitu area, Comisaria del Vaupes, Colombia

Development, Nematoda
Uhazy LS
1978 J Wildlife Dis 14 (4) Oct 401-408 Wa
Philometroides huronensis in Catostomus commersoni, lesions and inflammatory response related to development and release of first-stage larvae from gravid worm: southern Ontario

Development, Nematoda
Waller PJ; Donald AD; Dobson RJ
1981 Research Vet Sc 30 (2) Mar 213-216 Wa
Trichostrongylus spp., arrested development in grazing sheep, seasonal changes in relative abundance of T. colubriformis and T. vitrinus: Canberra, Australia

Development, Nematoda
Winkhardt HJ
1979 Tropenmed u Parasitol 30 (4) Dec 455-462 Wa
Ixodes ricinus, I. hexagonus, artificial feeding successful with glass capillary tubes but unsuccessful with membrane feeding techniques; I. ricinus, infection with Dipetalonema rugosicauda by feeding through glass capillary tubes, microfilariae completed development only if ticks were allowed to complete engorgement on rabbits; natural infections of D. rugosicauda in I. ricinus found in forest near Biberach/Baden-Wurttemberg

Development, Nematoda
Winkhardt HJ
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Development, Protozoa
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Development, Protozoa
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Development, Protozoa
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Eimeria iroquoina in Pimephales promelas, ultrastructural study of microgametogenesis and microgamete

Development, Protozoa
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Development, Protozoa
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Eimeria iroquoina in Pimephales promelas (exper.), ultrastructure of merogony

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Eimeria maxima, ultrastructural development of oocyst wall

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Leishmania donovani, 2 substrains, changes in growth rates of promastigotes and amastigotes as well as in infectivity of promastigotes during course of cultivation, animal passages, and heat adaptation

Development, Protozoa
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1981 Research Vet Sc 30 (2) Mar 181-184 Wa
Theileria parva, course of infection in Bos taurus calves with normal and partially exteriorized spleens, development of parasite in spleen and lymph nodes

Development, Protozoa
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Development, Protozoa
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Eimeria nieschulzi, mature macrogamonts, zygotes and oocyst wall formation, mature oocysts, fine structure

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Plasmodium falciparum gametocytogenesis stimulated by lymphocytes and serum from infected Gambian children

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Eimeria funduli in killifishes, prevalence, specificity, and known distribution, sites of infection, experimental infections, route of infection (through grass shrimp), endogenous development, susceptibility and variability in development (host age, temperature, infective dose, premunition), gross pathology and pathogenesis, control with monensin or by feeding TetraMin fish food

Development, Protozoa
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1980 J Parasitol 66 (6) Dec 985-988 Issued May 6 1981 Wa
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Development, Protozoa
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Sarcocystis hemionilatrantis in Canis latrans (feces, small intestine) (exper.), prepatent and patent periods and endogenous development, localization in small intestine, cellular response to initial infection and to reinfection, bright-field and electron microscopy

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Development, Protozoa
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1981 Parasitology 83 (1) Aug 191-197 Wa
Theileria parva, method for separation and concentration of large numbers of sporozoites from Rhipicephalus appendiculatus, course of initial infection of cattle leucocytes with sporozoites in vitro

Development, Protozoa
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1980 J Protozool 27 (1) Feb 113-117 Issued Apr 28 Wa
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Development, Protozoa
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Herpetomonas samuelpessoai, lidocaine induces changes in cell shape and motility, induces formation of membrane-bound cytoplasmic vacuoles, and induces differentiation of promastigote into opisthomastigote via paramastigote

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Sarcocystis hirsuta, dog, cats (both exper.), development cycle, prepatent period, patency

Development, Protozoa
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[1981] J Protozool 27 (4) Nov 1980 368-371 Issued Mar 11 Wa
Pfeifferinella gugleri sp. n., formation of oocyst wall, sporogony in Triodopsis albolabris (alveolar cells of digestive gland (liver), feces): Ledges State Park, Boone Co., Iowa

Development, Protozoa
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1979 Tropenmed u Parasitol 30 (3) Sept 318-322 Wa
Theileria velifera, development in gut and haemolymph of Amblyomma variegatum

Development, Protozoa
Warnecke M et al
1980 Ztschr Parasitenk 62 (2) 119-125 Wa
Theileria mutans, development in gut and haemolymph of Amblyomma variegatum

Development, Protozoa
Young AS et al
1980 Parasitology 81 (1) Aug 129-144 Wa
Theileria = Cytauxzoon taurotragi, development in Rhipicephalus appendiculatus

Development, Protozoa
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1980 J Parasitol 66 (2) Apr 356-359 Wa
Theileria spp., probable relationship between parasite development (transformation of zygotes into kinetes) and ecdysis of their tick hosts, could be controlled directly by temperature or by ecdysis process which is itself controlled by temperature

Development, Protozoa
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Rhipicephalus appendiculatus (4 strains), effect of range of constant temperatures during pre-moult and post-moult period of engorged nymphs on their moulting, on development of several stocks of Theileria parva within the ticks, and on resultant infection levels of T. parva in salivary glands of the adult ticks

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Schistosoma mansoni in Swiss albino mice, possibility of 'in situ' development of worms in host lungs rather than migration from liver to lungs after maturation in liver

Development, Trematoda
Basch PF
1981 J Parasitol 67 (2) Apr 179-185 Wa
Schistosoma mansoni, in vitro cultivation, establishment of cultures from cercariae, development until pairing

Development, Trematoda
Basch PF
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Schistosoma mansoni, in vitro cultivation, production of infertile eggs by worm pairs cultured from cercariae

Development, Trematoda
Basch PF; Humbert R
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Schistosoma mansoni, in vitro cultivation, implantation of cultured worms into mouse mesenteric veins to assess potential for full development and oviposition

Development, Trematoda
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1981 Ann Parasitol 56 (1) 57-61 Wa
Schistosoma mansoni miracidia, survival and development in vitro

Development, Trematoda
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1981 Exper Parasitol 51 (1) Feb 28-34 Wa
Schistosoma mansoni in mice vs. S. haematobium in hamsters, growth and maturation of bisexual and unisexual infections in relationship to copulation, egg shell protein formation, and oviposition, vitellogenesis evaluated with electron microscopy after diazonium salt staining and autofluorescence

Development, Trematoda
Bykhovskii BE; Nagibina LF
1975 Parazitologiia Leningrad 9 (3) May-June 209-219 Wa
Monogenoidea spp., post-embryonic development with particular reference to attachment armature

Development, Trematoda
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Development, Trematoda
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1980 Rev Saude Pub S Paulo 14 (1) Mar 43-57 Wm
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Development, Trematoda
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possible causal relationships between diabetes and hepatic cirrhosis, humans, included hepatic bilharziasis as probable cause

Diagnosis [See also Immunity, Agglutination; Immunity, Complement; Immunity, Diagnosis; Immunity, Enzyme labelling; Immunity, Immobilization; Immunity, Precipitation; Immunity, Radioimmunoassay; Immunity, Skin tests; Immunofluorescence; Technique, Fecal examination; Technique, Stains]

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Diagnosis
Bullock WL
1980 J Parasitol 66 (5) Oct 811-813 Wa
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veterinary parasitology, fundamentals, diagnosis, clinical parasitisms

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Hopkinson DA
1979 Symposia Brit Soc Parasitol 17 1-6 Wa
enzyme electrophoresis for identification of parasites, separation techniques, staining methods, brief review

Diagnosis
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parasitic diseases, humans, diagnosis, obligatory quality control for public and private diagnostic laboratories: France

Diagnosis
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Amin OM; Redlin MJ
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Diagnosis, Acanthocephala
Dunagan TT; Miller DM
1978 Proc Helminth Soc Washington 45 (2) July 256-257 Issued Aug 30 Wa
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Diagnosis, Acanthocephala
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Diagnosis, Acanthocephala
Morin ML et al
1980 Lab Animal Sc 30 (1) Feb 1009-1011 Wa
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Filicollis anatis from different hosts, differences in protein electrophoretic patterns, taxonomic implications

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Aleshkina LD
1978 Zool Zhurnal 57 (6) June 934-935 Wa
Periplexis, diagnostic characteristics

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Clifford CM et al
1978 J Med Entom 15 (1), Nov 7 57-73 Wa
Argas cucumerinus, redescription of male, description of female and nymph, environment, field, and laboratory observations, comparative diagnosis of South American species of subgenus Argas, scanning electron microscopy

Diagnosis, Arthropoda
Darlak JJ; Moskowitz M; Kattan KP
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parasites and other causes of hepatic calcifications, humans, diagnosis using abdominal ultrasonography, fluoroscopy, or conventional contrast radiography

Diagnosis, Arthropoda
Elmros T; Hofer PA; Oja M
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Sarcoptes scabiei, humans, differential diagnosis, therapy, complications, clinical review

Diagnosis, Arthropoda
Felman YM; Nikitas JA
1980 N York State J Med 80 (5) Apr 781-783 Wm
diagnosis and treatment of sexually transmitted diseases, equipment necessary to set up a physician's office, includes information on trichomoniasis and scabies

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Fennewald CL; Anderson PC
1980 Missouri Med 77 (6) June 291-294 298 Wm
Sarcoptes scabiei var hominis, humans, diagnosis and therapy, general clinical review

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Kummel BA; Estes SA; Arlian LG
1980 J Am Vet Med Ass 177 (9) Nov 1 903-908 Wa
Trixacarus caviae in Cavia porcellus (skin) (nat. and exper.), clinical signs, development of 'scabies-like' condition in 1 of 2 owners, case report; transmission studies from diseased to healthy guinea pigs; morphologic comparison of T. caviae and Sarcoptes scabiei; reported successful treatments; possible model for study of scabies in man and other animals

Diagnosis, Arthropoda
Latrive JP et al
1980 Semaine Hop Paris 56 (11-12) Mar 18-25 567-569 Wm
Linguatula serrata, man, encysted, calcified parasite within liver abscess, radiological and histological aspects: France, Dominican native

Diagnosis, Arthropoda
Maleville J et al
1979 Semaine Hop Paris 55 (35-36) Oct 18-25 1641-1643 Wm
S[arcoptes] scabiei, 18-month-old infant, case report, widespread atypical erythematous and excoriated papular rash, differential diagnosis, localized rash had been treated earlier with cortisone cream

Diagnosis, Arthropoda
Palicka P et al
1980 J Hyg Epidemiol Microbiol and Immunol 24 (1) 63-70 Wa
Sarcoptes scabiei, humans, diagnosis by lye scraping of skin, recommended criteria

Diagnosis, Arthropoda
Price RD; Hellenthal RA
1979 J Med Entom 16 (4) Nov 7 265-274 Wa
Geomydoecus tolucae complex from Thomomys, distinctions between taxa based on qualitative and quantitative characters, scattergrams of principal components axes, modification of key by Price & Emerson (1971) to include 5 new species and subspecies

Diagnosis, Arthropoda
Price RD; Hellenthal RA
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key to taxa of Geomydoecus californicus complex from Thomomys, qualitative and quantitative characters, discriminant functions for differentiation

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Rufli T; Mumcuoglu Y
1981 Praxis Bern 70 (10) Mar 3 414-429 Wm
Sarcoptes scabiei var. hominis, humans, increasing incidence, pathology, differential diagnosis, various dermatologic presentations and their clinical courses compared, review of some animal scabies and their presentations in man, therapeutic recommendations

Diagnosis, Arthropoda
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1981 Brit Vet J 137 (2) Mar-Apr 133-154 Wa
modern diagnostic techniques in small animal clinical dermatology, review, includes information on ectoparasitic infestations

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scabies, humans, diagnostic validity of the Burrow Ink Test verified and compared with superficial shave biopsy test; history of scabies reviewed

Diagnosis, Cestoda
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1981 South African Med J 59 (7) Feb 14 235-236 Wm
Echinococcus granulosus, humans, hydatid cyst of the pancreatic tail, ultrasonic diagnostic features including application of the Escudero-Nemenow sign

Diagnosis, Cestoda
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1980 J Franc Ophtal 3 (8-9) 457-461 Wm
echinococcosis, human orbital hydatid cysts, pathological aspects, diagnosis, surgical management

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1980 J Chir Paris 117 (2) Feb 115-120 Wm
echinococcosis, human hepatic cysts, current diagnostic procedures and surgical management: France

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1980 J Louisiana Med Soc 132 (3) Mar 40-41 Wm
Echinococcus granulosus, human hepatic cysts, diagnosis, ultrasonography

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Benhamou G; Leger P; Grossin C
1980 J Chir Paris 117 (1) Jan 31-36 Wm
calcified renal cysts, humans, differential diagnosis, includes echinococcosis

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Bloomfield JA
1980 Australas Radiol 24 (3) Nov 277-283 Wm
hydatid disease, children and adolescents, radiologic diagnosis, manifestations in various organs, incidence twice as high in boys as in girls

Diagnosis, Cestoda
Bolgova LS; Mel'nik AN
1980 Lab Delo (3) 166-167 Wm
Echinococcus, man, pulmonary cyst, cytologic diagnosis; several diagnostic methods compared

Diagnosis, Cestoda
Brunner G; Reisner T; Schnaberth G
1980 Nervenarzt 51 (1) Jan 43-46 Wm
Echinococcus cysticus, primary cerebral cyst, man, case report, diagnosis using computer assisted tomography: Germany, after travel to endemic areas

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Diagnosis, Cestoda
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1980 Internat J Parasitol 10 (3) June 167-174
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Taenia, polyacrylamide gel electrophoresis in differentiation of 3 spp. by total protein, Hymenolepis diminuta used as control

Diagnosis, Cestoda
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1981 Diagn Imaging 50 (2) 107-109 Wm
Echinococcus granulosus, human abdominal hydatid disease, ultrasonic diagnosis: Kenya

Diagnosis, Cestoda
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1975 Rev Med Chile 103 (3) Mar 180-183 Wm
hydatid disease, humans, involvement of long bones, clinical and radiological aspects

Diagnosis, Cestoda
Catalani C et al
1979 Radiol Med Torino 65 (6) June 417-423 Wm
ultrasonics used to diagnose pleuropulmonary and mediastinal diseases, includes information on echinococcosis

Diagnosis, Cestoda
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1980 Ann Chir Paris 34 (5) May 333-339 Wm
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Chipail GG et al
1980 Rev Med-Chir Soc Med si Nat Iasi 84 (3)
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hydatic cysts, human pulmonary infections, differential diagnosis, diagnostic problems, surgical techniques, operative complications

Diagnosis, Cestoda
Cieslik R et al
1980 Polski Przegl Chir 52 (3) Mar 257-260 Wm
Echinococcus granulosus, woman, case report, mechanical jaundice following perforation of hydatid cyst into the bile ducts, radiologic diagnosis, surgical therapy

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Connellan SJ; Jowett AW; Wilson RSE
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echinococcosis, 33-year-old Welsh stock farmer, presentation of tension pneumothorax, diagnosed after surgical treatment of complicating empyema, stresses importance of diagnostic awareness

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1980 J Comput Assist Tomogr 4 (1) Feb 128-129
Wm
orbital echinococcosis, humans, diagnosis using computed tomography

Diagnosis, Cestoda
Darlak JJ; Moskowitz M; Kattan KP
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parasites and other causes of hepatic calcifications, humans, diagnosis using abdominal ultrasonography, fluoroscopy, or conventional contrast radiography

Diagnosis, Cestoda
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ultrasonic diagnosis of abdominal disease, including amoebic liver abscess and hydatid cyst: Kenya

Diagnosis, Cestoda
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1980 Am Surg 46 (9) Sept 530-533 Wm
echinococcosis, human thyroid gland, pathology, clinical and therapeutic features of 2 cases. diagnosis by radioiodine scan: Sardinia

Diagnosis, Cestoda
Dublin AB; French BN
1980 Am J Neuroradiol 1 (2) Mar-Apr 205-206 Wm
Taenia solium, cysticercotic cyst of septum pellucidum, woman, case report, diagnosed by computed tomographic and other radiologic findings: Mexican-American living in California

Diagnosis, Cestoda
Durand H et al
1979 Semaine Hop Paris 55 (39-40) Nov 18-25
1797-1804 Wm
hydatic cyst, human, primary cystic disease of lung, diagnostic problems, advantages of various diagnostic procedures

Diagnosis, Cestoda
Edwards GT; Herbert IV
1981 J Helminth 55 (1) Mar 1-7 Wa
Taenia hydatigena, T. ovis, and T. pisiformis adult worms, T. multiceps adults and metacestodes, some quantitative characters used in identification

Diagnosis, Cestoda
Fabiani A; Trebini F; Torta R
1980 J Neurol London 43 (1) Jan 91-94 Wm
Echinococcus granulosus, children, case reports, cerebral infections, diagnosis by computerized axial tomography: Italy

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Fitzgerald MD; Jones AW; Tan BD
1970 Tr Am Micr Soc 89 (2) Apr 300-304 Issued
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Hymenolepis nana, H. microstoma, difference in oncospheral hook orientation, taxonomic and diagnostic significance

Diagnosis, Cestoda
Frings N; Horeyseck G; Foerster H
1980 Chirurg 51 (4) Apr 245-246 Wm
Echinococcus granulosus (E. cysticus), male. case report, primary retroperitoneal localization of cyst, associated pleural effusion, diagnosis by ultrasonography and radiography

Diagnosis, Cestoda
Garbagna P et al
1979 Boll Soc Med-Chir Pavia 93 (1-2) Feb-Mar
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hepatic echinococcosis, humans, diagnosis, angiography vs. echotomography or computer assisted tomography, applications for relevant surgical therapy

Diagnosis, Cestoda
Geller IIu; Gorburov GF
1978 Vrach Delo (7) July 148-150 Wm
echinococcosis, humans, errors in diagnosis, case reviews, clinical report

Diagnosis, Cestoda
Geller IIu; Perevoznikova NE
1978 Vrach Delo (9) Sept 131-133 Wm
echinococcosis, humans, peripheral blood values including eosinophilia of little use for diagnosis

**Diagnosis, Cestoda**
**Gharbi HA et al**
**1981 Radiology 139 (2) May 459-463 Wm**
**Echinococcus granulosus, human, ultrasonic diagnosis of hepatic cysts, classification of cysts into 5 evolutionary stages based on echographic patterns**

Diagnosis, Cestoda
Glumov VIa
1979 Arkh Patologii Moskva 41 (10) 47-48 Wm
alveococcosis, human hepatic infections, histological diagnosis using aniline gentian stain

Diagnosis, Cestoda
Goldfarb MG; Gladkov VA; Danilovich IK
1979 Vestnik Rentg i Radiol (4) July-Aug 84-86 Wm
echinococcosis, man, cyst of cellular tissue of retroperitoneal space, radiologic aspects

Diagnosis, Cestoda
Gonzalez Toledo EC; Szelagowski JC
1980 J Comput Assist Tomogr 4 (1) Feb 127 Wm
echinococcosis, 18-year-old male, orbital infection with unilateral exophthalmos, diagnosed by computer tomography: Argentina

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**Grabbe E; Kern P; Heller M**
**1981 Tropenmed u Parasitol 32 (1) Mar 35-38 Wa**
**Echinococcus cysticus, E. alveolaris, human, diagnostic value of computed tomography**

Diagnosis, Cestoda
Guachalla J et al
1977 Rev Med Chile 105 (11) Nov 789-791 Wm
echinococcosis, man, case report, hepatic cyst with multiple secondary pulmonary cysts, radiological diagnosis, surgical therapy: Puerto Varas, Chile

Diagnosis, Cestoda
Guillory SL; Zinn KM
1980 Bull N York Acad Med 56 (7) Sept 655-661 Wa
Cysticercus cellulosae, human intravitreal cysticerci, ultrasonographic and fluorescein angiographic diagnostic features

Diagnosis, Cestoda
Gula G et al
1979 Thorac and Cardiovasc Surgeon 27 (6) Dec 393-396 Wm
echinococcosis, humans, cardiac cysts, diagnosis by X-ray and electrocardiogram, pathology and clinical findings, surgical management, case reports

Diagnosis, Cestoda
ter Haar G
1980 South African Med J 57 (21) May 24 850 Wm
Taenia solium, ingestion of eggs by man results in cysticercosis with bizarre clinical presentations and confusion in diagnosis, 3 cases briefly presented: South Africa

Diagnosis, Cestoda
Haertel M; Fretz C; Fuchs WA
1980 ROEFO 133 (2) Aug 164-170 Wm
Echinococcus cysticus, E. alveolaris, humans, computer tomography used for differential diagnosis and for follow-up assessments after therapy

Diagnosis, Cestoda
Halim A; Vaezzadeh K
1980 Brit J Urol 52 (2) Apr 75-78 Wm
echinococcosis, human genitourinary tract, pathology, diagnosis, surgical management

**Diagnosis, Cestoda**
**Hall A et al**
**1981 Parasitology 83 (1) Aug 91-101 Wa**
**Taenia saginata in Pokot tribesmen, prevalence, assessment of reliability of faecal examination in diagnosis, subjects' awareness of their own tapeworm infections, forms of treatment sought or used previously: western Kenya**

Diagnosis, Cestoda
Harkanyi Z; Torok I
1980 Orvosi Hetilap 121 (30) July 27 1831-1833 Wm
intrahepatic cysts (includes Echinococcus), diagnosis using gray-scale echography, human infections

Diagnosis, Cestoda
Hassine W; Dupuch K; Gharbi HA
1980 J Radiol 61 (5) May 323-327 Wm
hydatid liver disease, children, diagnosis using ultrasonography

**Diagnosis, Cestoda**
**Ibrahim MA; Kawanishi H**
**1981 Gastrointest Endoscopy 27 (1) Feb 20-22 Wm**
**echinococcosis, woman, hepatic cyst causing fever, jaundice and cholecystitis, evaluation using endoscopic retrograde cholangiography: Michigan, had lived in Turkey**

Diagnosis, Cestoda
Irnberger T
1980 Wien Med Wchnschr 130 (22) Nov 30 718-724 Wm
Echinococcus hydatidosus, human hepatic cysts, diagnosis, radiographic, sonographic, and computer tomographic appearance vs. that of Echinococcus alveolaris

Diagnosis, Cestoda
Ismail MA et al
1980 Clin Radiol 31 (3) May 287-290 Wm
Echinococcus granulosus, humans, diagnosis of hydatid cysts using computerised axial tomography

Diagnosis, Cestoda
Itzchak Y et al
1980 J Clin Ultrasound 8 (4) Aug 341-345 Wm
echinococcosis, human abdominal cysts, diagnosis, use of ultrasound

Diagnosis, Cestoda
Jain AN; Ramanathan P; Ganatra RD
1980 Clin Nuclear Med 5 (1) Jan 25-28 Wm
hydatid cysts of liver, humans, diagnosis, liver scans, analysis of 55 cases, comparisons with results using Casoni's skin test: India

Diagnosis, Cestoda
Kadlcik K et al
1980 Ceskoslov Epidemiol Mikrobiol Imunol 29 (4) July 247-251 Wa
Taenia saginata, human, diagnosis, comparison of fecal examination techniques

Diagnosis, Cestoda
Kandel EI; Vavilov SB; Metelkina LP
1980 Zhurnal Voprosy Neirokhir (6) Nov-Dec 48-50 Wm
Taenia solium causing cerebral cysticercosis, human, case report, diagnosis using X-ray computed tomography

Diagnosis, Cestoda
Kasai Y et al
1980 Ann Surg 191 (2) Feb 145-152 Wm
alveolar echinococcosis, human liver, clinical manifestations and proposed staging, diagnostic procedures, surgical aspects and outcome, epidemiological considerations: Japan

Diagnosis, Cestoda
Kuckein D
1980 Roentgen-Blaetter 33 (8) Aug 414-417 Wm
cysticercosis, humans with intracranial calcifications, differential diagnosis using computer assisted tomography, conventional X-ray, angiography, and other clinical data

Diagnosis, Cestoda
Kumaratilake LM; Thompson RCA; Dunsmore JD
1979 Ztschr Parasitenk 60 (3) 291-294 Wa
Echinococcus granulosus, E. multilocularis, inter- and intraspecific differences detected by isoelectric focusing of cestode soluble proteins, potential value in speciation of Echinococcus and in determining biochemical differences between intraspecific variants

Diagnosis, Cestoda
Lamas E et al
1978 Acta Neurochir 44 (3-4) 197-205 Wm
cerebral cysticercosis, humans, diagnosis, computerized axial tomography

Diagnosis, Cestoda
Lamki LM; Lamki N
1981 Clin Nuclear Med 6 (2) Feb 81-84 Wm
radionuclide imaging used to differentiate splenomegaly from pseudosplenomegaly associated with human hydatid hepatic cyst and with amebic hepatic abscess, case reports, clinical aspects

Diagnosis, Cestoda
Madeddu G et al
1980 J Nuclear Med 21 (6) June 599-600 Wa
Echinococcus, man, case report, pulmonary cyst diagnosed using gallium-67 citrate scan, possible differential diagnostic aid in endemic areas

Diagnosis, Cestoda
Magomedov AZ; Deenichin PG; Makhatilov MM
1980 Khirurgiia (1) Jan 36-39 Wm
Echinococcus, humans, diagnostic pathology, surgical management of cysts perforating into the biliary tract

Diagnosis, Cestoda
Martorana G; Giberti C; Pescatore D
1981 J Urol 126 (1) July 99-100 Wa
giant echinococcal cyst of kidney associated with hypertension, man, case report, definitive diagnosis using computerized tomography

Diagnosis, Cestoda
Mervis B; Lotz JW
1980 Clin Radiol 31 (5) Sept 521-528 Wm
Taenia solium, humans, computed tomography is useful in assessment and diagnosis of acute parenchymatous cerebral cysticercosis and in confirming presence of calcifications

Diagnosis, Cestoda
Milonov OB et al
1979 Khirurgiia (12) Dec 18-24 Wm
echinococcosis, humans, subdiaphragmatic localizations, diagnostic pathologic features, diagnosis by latex and hemagglutination tests and by radiography, surgical procedures

Diagnosis, Cestoda
Milonov OB; Lebedeva OD; Pomelova LA
1980 Sovet Med (4) 62-67 Wm
echinococcosis, alveococcosis, human hepatic infections, diagnosis, differential diagnosis using ultrasonics, thermography and electrothermometry

Diagnosis, Cestoda
Mineura K et al
1981 No Shinkei Geka (Neurol Surg) 9 (2) Feb 175-178 Wm
Sparganum mansoni, Korean woman, live intracranial worm surgically removed from brain, granulomatous lesions seen by brain scan and computed tomography

Diagnosis, Cestoda
Morrison IS
1980 Australas Radiol 24 (3) Nov 284-288 Wm
Ultrasonography of cystic liver diseases, includes human hydatid cysts

Diagnosis, Cestoda
Nabokov ShA; Vasil'ev RKh
1978 Vestnik Khir 120 (4) Apr 31-35 Wm
alveococcosis, humans, clinico-anatomical classification based on local and general manifestations, localization, anatomic form, and degree of propagation

Diagnosis, Cestoda
Nakhla NB et al
1981 J Trop Med and Hyg 84 (3) June 121-124 Wa
E[chinococcus] granulosus, human hepatic infections, use of ultrasonography for diagnosis, to monitor response to treatment, and for follow-up of treatment, case report

Diagnosis, Cestoda
Nowak TV; Murphy JV
1978 Wisconsin Med J 77 (3) Mar S32-S34 Wm
cerebral cysticercosis, woman presenting with epilepsy, clinical aspects, case report, diagnosis by axial tomogram: Milwaukee, native of Mexico

Diagnosis, Cestoda
Pascal-Suisse P; Peyron JP; Marbot P
1980 Med Trop 40 (2) Mar-Apr 197-210 Wm
ultrasound, principles, techniques, and application to diagnosis of human tropical diseases and parasitic diseases including echinococcosis and schistosomiasis

Diagnosis, Cestoda
Pathak KML; Gaur SNS
1981 Vet Parasitol 8 (1) Feb 95-97 Wa
Cysticercus tenuicollis (Taenia hydatigena), goats (exper.), serum levels of GOT, GPT, and OCT enzymes, possible diagnostic significance

Diagnosis, Cestoda
Percy AK; Byrd SE; Locke GE
1980 Pediatrics Am Acad Pediat 66 (6) Dec 967-971 Wa
cerebral cysticercosis, 9 children, case evaluations, usefulness of computed tomography in diagnosis, incidence in exposed children apparently higher than previously estimated: United States

Diagnosis, Cestoda
Permanetter W; Bassermann R; Denecke H
1981 Chirurg 52 (3) Mar 187-189 Wm
Echinococcus cysticus, humans, diagnosis using cytological staining methods, possibility of rapid intra-operative diagnosis

Diagnosis, Cestoda
Petigny A et al
1980 Semaine Hop Paris 56 (13-14) Apr 8-15 685-687 Wm
multiple hydatidosis, 30-year-old female, case report, cysts involving liver, spleen, and pelvic areas, radiological and surgical aspects of case; suggested use of flubendazole in widespread forms of this disease

Diagnosis, Cestoda
Picard JD et al
1980 Chirurgie Paris 106 (9) Nov 683-686 Wm
echinococcosis, humans, diagnosis, cyst localization using X-ray computed tomography

Diagnosis, Cestoda
Polianker ZN
1980 Vestnik Rentg i Radiol (2) Mar-Apr 64-67 Wm
diagnosis of human brain abscesses and cysts using myodil, includes information on echinococcosis

Diagnosis, Cestoda
Rausch RL; D'Alessandro A; Rausch VR
1981 Am J Trop Med and Hyg 30 (5) Sept 1043-1052 Wa
Echinococcus vogeli larvae in Cuniculus paca and Myocastor coypus, morphology, development, tissue response evoked, differentiation from E. oligarthrus

Diagnosis, Cestoda
Richard F et al
1980 J Urol Paris 86 (2) 81-94 Wm
urological diseases of the kidney including hydatid cysts, classification of X-ray computed tomographic appearances

Diagnosis, Cestoda
Rizaev MN et al
1980 Grudn Khirurg (2) Mar-Apr 84-89 Wm
echinococcosis, human pulmonary and/or hepatic, diagnosis, radioisotopes

Diagnosis, Cestoda
Roemer CE et al
1981 Am J Roentgenol 136 (6) June 1065-1070 Wa
Hepatic cysts: Diagnosis and therapy by sonographic needle aspiration, includes differential diagnosis of echinococcal cysts

Diagnosis, Cestoda
Salva Verd A et al
1980 Actas Urol Espan 4 (6) 335-338 Wm
retrovesicular hydatid disease, humans, 4 case reports, radiographic diagnosis

Diagnosis, Cestoda
Santiago AM et al
1980 Actas Urol Espan 4 (2) Mar-Apr 89-92 Wm
hydatid disease, humans, multiple cysts of kidney, case report; use of percutaneous puncture of cyst for diagnostic cystograph and study of hydatid fluid

Diagnosis, Cestoda
Sapunar J; Tag F
1975 Rev Med Chile 103 (3) Mar 184-188 Wm
hydatidosis, human abdominal infections, lesions as observed via laparoscopy, differential diagnosis

Diagnosis, Cestoda
Scheid KF et al
1981 ROEFO 134 (4) Apr 357-363 Wm
human pulmonary lesions, diagnosis using computed tomography and densitometry, results correlated with histologic diagnosis, includes some cases of echinococcosis

Diagnosis, Cestoda
Schlehe H; Karch R
1979 Praxis u Klin Pneumol 33 (10) Oct 1049-1053 Wm
ultrasound diagnosis of shadow areas in proximity to pleura, humans, includes pulmonary echinococcosis

Diagnosis, Cestoda
Schulze K et al
1980 ROEFO 132 (5) May 514-521 Wm
Echinococcus spp., humans, diagnosis, computer tomography vs. sonography

Diagnosis, Cestoda
Schulze K et al
1980 Radiologe 20 (7) July 365-372 Wm
Echinococcus cysticus, E. alveolaris, diagnosis using angiography, valuable tool for pre-operative work-ups

Diagnosis, Cestoda
Sen DK
1980 Acta Ophth 58 (1) 144-147 Wm
Cysticercus cellulosae, humans, case reports, cysts in the lacrimal gland, orbit, and eye lid, histopathology, diagnosis

Diagnosis, Cestoda
Shanley JD; Jordan MC
1980 Arch Int Med Chicago 140 (10) Oct 1309-1313 Wa
Taenia solium, humans, central nervous system, clinical aspects, diagnostic disease patterns, pathology

Diagnosis, Cestoda
Shibata MK et al
1980 Arq Neuropsiquiat 38 (4) Dec 399-403 Wm
cysticercosis, humans, solitary granulomatous lesions in the brain demonstrated by computed tomography but definitive etiological diagnosis made only after craniotomy

Diagnosis, Cestoda
Shraberg D et al
1980 Comput Tomog 4 (4) Oct-Dec 261-266 Wm
Cysticercosis cerebri: Evolution of central nervous system involvement as visualized by computed tomography, monitoring of responses to corticosteroid therapy

Diagnosis, Cestoda
Skromne-Kadlubik G; Celis C
1981 Arch Neurol 38 (5) May 288 Wm
cysticercosis, human nervous system, diagnostic evaluation by scanning with anti-Cysticercus antibodies labelled with indium 113, these antibodies labelled with iodine 131 used for radioimmunotherapy with good results

Diagnosis, Cestoda
Skromne-Kadlubik G; Celis C; Ferez A
1977 Ann Neurol 2 (4) Oct 343-344 Wm
cysticercosis of human central nervous system, diagnosis, specific radioimmunoscan

Diagnosis, Cestoda
Slais J; Vanek M
1980 Ang Parasitol 21 (1) Feb 16-20 Wa
Echinococcus granulosus, hydatid cysts, pigs, differential diagnosis from Taenia hydatigena cysticerci, macroscopic and histological examination, abattoir survey: Warsaw, Poland

Diagnosis, Cestoda
Slomianko-Winnicka M; Stawarczyk W; Sprogis W
1980 Wiadom Lekar 33 (5) Mar 1 397-400 Wm
cysticercosis, 82-year-old woman, case report, massive muscular infection, radiologic findings: Poland

Diagnosis, Cestoda
Smyth JD
1979 Symposia Brit Soc Parasitol 17 75-101 Wa
possible application of in vitro culture techniques to (a) identification of trematode metacercariae, (b) identification of taeniid eggs, and (c) determination of strain differences in Echinococcus spp.

Diagnosis, Cestoda
Steinbrich W; Osswald J
1980 Radiologe 20 (1) Jan 28-30 Wm
echinococcosis, human hepatic cyst, case report, rupture into the bile ducts resulting in cysto-biliary fistula, evaluation by computed tomography and endoscopic retrograde cholangiography

Diagnosis, Cestoda
Stern WE
1981 J Neurosurg 55 (3) Sept 382-389 Wm
Taenia solium cysticercosis, classification of forms affecting human central nervous system, diagnosis by computed tomography, operative procedures

Diagnosis, Cestoda
Szebeni A; Tulassay Z
1980 Radiologe 20 (1) Jan 31-34 Wm
Echinococcus cysticus, human hepatic cysts, diagnosis using ultrasonography

Diagnosis, Cestoda
Treugut H et al
1980 Radiology 137 (1 pt 1) Oct 37-41 Wm
Echinococcus alveolaris, humans, pulmonary involvement, radiologic features, differential diagnosis from other infections, neoplasms and specifically from E. cysticus, diagnosis possible only if based on radiologic changes, laboratory findings and geographic occurrence

Diagnosis, Cestoda
Walther M; Koske JK
1980 Vet Rec 106 (18-20) May 3 10 17 401-402 Wa
Taenia saginata, calves originating from endemic area, distribution of cysticerci within carcass, efficacy of meat inspection for diagnosing infection: Samburu district of Kenya, East Africa

Diagnosis, Cestoda
Weirich WL
1979 Am J Surg 138 (6) Dec 805-808 Wm
Echinococcus granulosus, humans, pre-surgical diagnosis using X-ray computed tomography and ultrasonics, hepatic cysts

Diagnosis, Cestoda
Zee C et al
1980 Radiology 137 (2) Nov 397-407 Wm
cysticercosis, humans, intracranial infections, ususual neuroradiological features, case reports

Diagnosis, Cestoda
Zee CS et al
1981 Am J Neuroradiol 2 (2) Mar-Apr 189-191 Wm
intraventricular cysticercosis cyst, man, case report, diagnosed using metrizamide ventriculography as adjunct to X-ray computed tomography

Diagnosis, Cestoda
Zmerli S; Ayed M; Arkam B
1980 J Urol Paris 86 (7) 519-526 Wm
hydatid cysts, humans, kidney, multiple case reviews, ultrasonic diagnosis, surgical management

Diagnosis, Cestoda
Zudaire Bergera JJ; et al
1980 Actas Urol Espan 4 (4) July-Aug 221-224 Wm
renal hydatidosis, humans, diagnosis, CAT scans, immunoelectrophoresis

Diagnosis, Nematoda
Acevedo RA et al
1981 Am J Vet Research 42 (3) Mar 537-540 Wa
Dirofilaria immitis and Dipetalonema reconditum in dogs, combination of filtration and histochemical stain for detection and differentiation

Diagnosis, Nematoda
Avagnina MA et al
1980 Acta Cytol 24 (1) Jan-Feb 36-39 Wa
Strongyloides stercoralis, fatal hyperinfection of immunosuppressed man, cytologic examination of ascitic fluid: Formosa, Argentina

Diagnosis, Nematoda
Awadzi K; Roulet H; Bell DR
1980 Ann Trop Med and Parasitol 74 (3) June 363-366 Wa
onchocerciasis, standard method for determination of microfilarial density in skin snips

Diagnosis, Nematoda
Badini A
1979 Pathologica (1014) 71 July-Aug 549-554 Wm
Schistosoma haematobium, cutaneous filariasis, humans, 2 brief case reports, histological diagnosis

Diagnosis, Nematoda
Barbosa H et al
1980 AMB Rev Ass Med Brasil 26 (5) May 178-180 Wm
Angiostrongylus costarricensis, 10-year-old boy, intestinal infection complicated by jejunal necrosis, clinical aspects, medical and surgical management, differential diagnosis: Sobradinho-DF, Brasil

Diagnosis, Nematoda
Belosevic M; Dick TA
1980 J Parasitol 66 (1) Feb 88-93 Wa
Trichinella spp., cross-specificity of chemical attraction as possible means of distinguishing between species, strains, and isolates

Diagnosis, Nematoda
Belsole R; Fenske N
1980 J Hand Surg 5 (2) Mar 178-180 Wm
cutaneous larva migrans, humans, infestations of the upper extremity, case reports, emphasis on differential diagnosis and thiabendazole therapy

Diagnosis, Nematoda
Boczon K et al
1981 Tropenmed u Parasitol 32 (2) June 109-114 Wa
Trichinella spiralis, human, diagnosis, evaluation of enzymatic and immunological tests (activity of LDH and its isozymic fractions; indirect immunofluorescence test; latex agglutination test; bentonite flocculation test)

Diagnosis, Nematoda
Bonucci E; Brinkmann UK; Onori E
1979 Tropenmed u Parasitol 30 (4) Dec 489-498 Wa
onchocerciasis, human, prevalence and pathological findings by age and sex, histologic changes in upper layers of dermis compared with macroscopical lesions observed, microfilariae found in number of skin snips although they had been submerged in saline for 24 hours: Southern Togo

Diagnosis, Nematoda
Brasitus TA et al
1980 Am J Gastroenterol 73 (1) Jan 65-69 Wm
Strongyloides stercoralis, man, invasive parasitic infestation presenting as Crohn's disease or peptic ulcer, differential diagnosis by duodenal aspirations and biopsy, clinical case report, literature review: New York City (native of Dominican Republic)

Diagnosis, Nematoda
Bruijning CFA
1981 Trop and Geogr Med 33 (3) Sept 295-305 Wa
Dirofilaria 'conjunctivae' (European sp. which may be D. repens), woman, ocular infection, differential diagnostic pathology, case review: Netherlands, had vacationed in Spain

Diagnosis, Nematoda
Cabrera MA; Suazo AT
1980 Bol Med Hosp Inf Mexico 37 (2) Mar-Apr 195-201 Wm
Toxocara canis, Ascaris, children, diagnosis of visceral larva migrans, immunological tests compared with other methods

Diagnosis, Nematoda
Cain GD; Raj RK
1980 Exper Parasitol 49 (1) Feb 56-67 Wa
Anisakis, Phocanema, Contracaecum, Sulcascaris, alcohol and malate dehydrogenases from larvae, electrophoresis and thermostability, possible value in identification

Diagnosis, Nematoda
Chaudhuri B et al
1980 Acta Cytol 24 (4) July-Aug 360-362 Wa
Strongyloides stercoralis, immunosuppressed man, disseminated infestation detected by cytologic examination of sputum, bronchial washing, and brushing: University of Illinois Hospital

Diagnosis, Nematoda
Chlebowsky HO; Zielke E
1980 Tropenmed u Parasitol 31 (2) June 181-193 Wa
Wuchereria bancrofti, rural population, efficacy of repeated diethylcarbamazine treatment and vector control on microfilarial reservoir; experiences with membrane filtration technique under field conditions: Liberia

Diagnosis, Nematoda
Colaert J; Vandepitte J; Lokombe B
1978 Ann Soc Belge Med Trop 58 (4) Dec 315-320 Wa
Ancylostoma duodenale, Necator americanus, identification in the population using the Harada-Mori test tube culture technique on fecal specimens: Kinshasa, Zaire

Diagnosis, Nematoda
Collins RC et al
1980 Am J Trop Med and Hyg 29 (1) Jan 35-41 Wa
Onchocerca volvulus, humans, parasitological diagnosis, comparisons of incubation media and incubation times for skin snips

Diagnosis, Nematoda
Correa LL et al
1979 Rev Inst Adolfo Lutz 39 (2) Dec 145-153 Wa
Ancylostoma duodenale, Necator americanus, humans (feces), prevalence, differential diagnosis: Greater Sao Paulo, Brazil

Diagnosis, Nematoda
Darlak JJ; Moskowitz M; Kattan KP
1980 Radiol Clin North Am 18 (2) Aug 209-219 Wm
parasites and other causes of hepatic calcifications, humans, diagnosis using abdominal ultrasonography, fluoroscopy, or conventional contrast radiography

Diagnosis, Nematoda
Darrow JC; Lack EE
1981 J Surg Oncol 16 (3) 219-224 Wm
Dirofilaria immitis causing solitary lung nodule in humans, diagnostic problems, increasing incidence in humans because of expanding geographical range of canine infections; case report, clinical aspects, man: Massachusetts

Diagnosis, Nematoda
Drozdz J
1979 Wiadom Parazytol 25 (2) 171-183 Wa
nematodes, genetic isolation as a criterion defining species

Diagnosis, Nematoda
Egwang TG; Slocombe JOD
1981 Canad J Comp Med 45 (3) July 243-248 Wa
nematode eggs, recovery from bovine feces, evaluation of efficiency and sensitivity of several techniques using known numbers of Haemonchus contortus eggs added to helminthologically sterile bovine feces

Diagnosis, Nematoda
Eisenscher A; Sauget Y
1980 J Radiol 61 (5) May 319-322 Wm
ascariasis, distomiasis, human biliary tract, diagnosis, sonographic patterns

Diagnosis, Nematoda
Ellman BA; Wynne JM; Freeman A
1980 Am J Roentgenol 135 (1) July 37-42 Wa
Ascaris lumbricoides, children with intestinal obstruction caused by bolus of Ascaris worms, diagnostic features of plain abdominal films, comparison with laboratory studies of A. suum in pigs

Diagnosis, Nematoda
Ewert A; Smith JH; Corredor A
1981 Am J Trop Med and Hyg 30 (5) Sept 988-991 Wa
Mansonella ozzardi, microfilariae found in human skin biopsies, could lead to confusion with early onchocercal or streptocercal dermatitis

Diagnosis, Nematoda
Feldmeier H; Bienzle U; Schuh D
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 251-253 Wa
microfilariae in peripheral blood, combination of techniques for concentration and identification (density gradient centrifugation, membrane filtration, supravital staining procedure)

Diagnosis, Nematoda
Fernandez-Cid A; Callot MT; Riba M
1977 Arch Anat et Cytol Path 25 (2) 111-113 Wm
"oxyures," 3 human cases, eggs found in cervico-vaginal smears, diagnosed using a modified Papanicolaou method

Diagnosis, Nematoda
Franz M; Renz A
1980 Tropenmed u Parasitol 31 (1) Mar 31-33 Wa
filaria larvae type D, confirmation of light microscopic diagnosis and morphological criteria for differentiation from Onchocerca volvulus using scanning electron microscopy, larvae isolated from Simulium caught on man at Mayo Galke River near Tchollire in North Cameroon

Diagnosis, Nematoda
Frauenfelder HC; Kazacos KR; Lichtenfels JR
1980 J Am Vet Med Ass 177 (4) Aug 15 359-362 Wa
cerebrospinal nematodiasis, horse, Setaria sp. found in cervical spinal cord in association with lesions, history and clinical observations, necropsy and histopathologic findings, diagnosis

Diagnosis, Nematoda
Fredericksen DW; Specian RD
1981 J Parasitol 67 (5) Oct 647-655 Wa
Anisakis sp., Phocanema sp., Thynnascaris sp., value of cuticular fine structure in identification of juvenile anisakine nematodes, ultrastructural details of 3rd stage juvenile of Ascaris lumbricoides included for comparison

Diagnosis, Nematoda
de Gaetani CF; Sannicola Botticelli C
1981 Arch Anat et Cytol Path 29 (2) 87-89 Wm
Strongyloides stercoralis, man, cytologic diagnosis using bronchial washing material, autoinfection after 30 years of clinically latent infection: Italy (had served in military service in Africa in World War II)

Diagnosis, Nematoda
Georgi JR
1979 Proc Helminth Soc Washington 46 (1) Jan 142-145 Issued Mar 14 Wa
Filaroides hirthi, valid species, differentiation from F. milksi

Diagnosis, Nematoda
Grove DI
1980 Brit Med J (6214) 280 Mar 1 598-601 Wa
Strongyloides stercoralis, prevalence in Allied ex-prisoners of war in south-east Asia, efficacy of various diagnostic methods, clinical manifestations, possible problems associated with immunosuppressed subjects: Australia

Diagnosis, Nematoda
Gustavson-Moringlane IL; Bengtsson E
1981 Ann Trop Med and Parasitol 75 (6) Dec 615-621 Wa
filariasis, patients having or suspected of having onchocerciasis or dipetalonemiasis and 2 patients with tropical eosinophilia, level of eosinophilia following provocation with diethylcarbamazine

Diagnosis, Nematoda
Hall A
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 682-687 Wa
nematode eggs in human faeces, qualitative reliability of ether sedimentation technique for diagnosis, quantitative variability in egg counts between samples from same stool and between stools collected from same person over 5 day period: Kenya

Diagnosis, Nematoda
Hira PR; Patel BG
1980 Trop and Geogr Med 32 (1) Mar 23-29 Wa
Strongyloides fuelleborni, humans, diagnosis in fecal material, culture to free living stage, prevalence compared with S. stercoralis, sex and age groups of patients, possibly endemic in man rather than zoonotic: Zambia

Diagnosis, Nematoda
Ihekwaba FN
1980 J Roy Coll Surgeons Edinburgh 25 (6) Nov 452-456 Wm
Ascaris lumbricoides, humans, diagnostic pathology, surgical emergencies, case reports: Nigeria

Diagnosis, Nematoda
Iskander AR; Jørgensen RJ
1980 Acta Vet Scand 21 (3) 330-335 Wa
Dictyocaulus viviparus infective larvae isolated by bile-agar technique, identification

Diagnosis, Nematoda
Ito S
1980 Nippon Zyuisi-Kai Zassi (J Japan Vet Med Ass) 33 (9) Sept 424-429 Wa
nematode eggs in bovine feces, identification and counting using Wisconsin sugar centrifugal-flotation technique

Diagnosis, Nematoda
Jackson GJ et al
1981 Applied and Environment Microbiol 41 (4) Apr 912-914 Wa
parasitic nematodes, recovery from fish, comparison of digestion and elution methods, fish from San Francisco markets contained more nematodes than fish from Boston markets

Diagnosis, Nematoda
Kaiser H
1977 Zool Jahrb Jena Abt Syst 104 (1) 20-71 Wa
mermithids, use of biological criteria for diagnosis among closely related species, morphology, systematics, biometry, host specificity

Diagnosis, Nematoda
Kaiser H; Fachbach G
1977 Zool Jahrb Jena Abt Syst 104 (1) 72-79 Wa
Hexamermis spp., species-specific protein patterns shown in tissue homogenates by polyacrylamide disc electrophoresis

Diagnosis, Nematoda
Kaiser H; Skofitsch G
1981 Zool Jahrb Jena Abt Syst 108 (1) 70-83 Wa
Hexamermis sp., H. lineata, Mermis nigrescens, Pheromermis sp., disc electrophoresis of proteins, reactions in gel diffusion tests with antiserum against Hexamermis sp., correlation of these characters with morphologic and biologic characters, implications for taxonomy and phylogeny of Mermithidae

Diagnosis, Nematoda
Kale OO
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 693 Wa
onchocerciasis, human, development of hypertrophic scars at sites of skin snips, suggestions for reducing risk

Diagnosis, Nematoda
Kale OO
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 101-102 Wa
Onchocerca volvulus, human, ways of improving reconstitution method for counting microfilariae in skin snips

Diagnosis, Nematoda
Kawabata M et al
1980 J Helminth 54 (3) Sept 183-190 Wa
onchocerciasis, distribution and density of microfilariae in skin of Guatemalan patients, implications for diagnosis

Diagnosis, Nematoda
van Knapen F et al
1980 Vet Parasitol 7 (2) Sept 109-121 Wa
Trichinella spiralis, pigs (exper.), detection of infections, comparison of enzyme-linked immunosorbent assay with trichinoscopy, digestion method, and immunofluorescence technique

Diagnosis, Nematoda
Langham ME; Richardson R
1981 Tropenmed u Parasitol 32 (3) Sept 171-180 Wa
Onchocerca volvulus, patients with skin snips negative for microfilariae, 2 methods used to clarify diagnosis (histologic and electron microscopic examination of skin for characteristic dermatitis; dermal response to topical application of diethylcarbamazine): Liberia

Diagnosis, Nematoda
Lapierre J
1980 Semaine Hop Paris 56 (9-10) Mar 8-15 409-413 Wm
Strongyloides stercoralis, humans, manifestations of cutaneous larva migrans, differential diagnosis, cure with single dose thiabendazole

Diagnosis, Nematoda
Levine SE; Mossler JA; Woodard BH
1980 South Med J 73 (6) June 749-750 Wm
Dirofilaria immitis, man (lung), case report, differential diagnosis from other pulmonary nodules; epidemiologic, morphologic, and clinical features of human infections: North Carolina

Diagnosis, Nematoda
Lichtenfels JR; Madden PA
1980 Proc Helminth Soc Washington 47 (1) Jan 55-62 Issued Feb 15 Wa
Dioctophyma renale 3rd and 5th (adult) stages, Eustrongylides spp. 4th and 5th stages, cephalic papillae described and compared, electron microscopy

Diagnosis, Nematoda
Lloyd DA
1981 Brit J Surg 68 (7) July 468-473 Wm
Ascaris lumbricoides, children, massive hepatobiliary infestations, problems in radiological diagnosis and surgical management, case reviews: South Africa

Diagnosis, Nematoda
Lumsden WHR; Evans DA; Kimber CD
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 40-42 Wa
Dipetalonema perstans, microfilaraemia, diagnosis in field using miniature anion-exchange/centrifugation technique, prevalence by locality groups, sex, and age: The Gambia

Diagnosis, Nematoda
Luxenberg MN
1979 Tr Am Ophth Soc 77 542-602 Wm
Toxocara canis, exper. infection in Aotes trivirgatus, clinical manifestations with emphasis on eye infections, various diagnostic tests, evaluation of systemic and intraocular responses with various laboratory and serological tests including the ELISA test, literature review

Diagnosis, Nematoda
Mikhailova VA; Olinskaia FM
1980 Vestnik Oftal Moskva (6) Nov-Dec 64-66 Wm
onchocerciasis, humans, diagnosis by detection of parasites in the skin and eyes

Diagnosis, Nematoda
Molina Pasquel C
1979 SPM Salud Pub Mexico 21 (6) Nov-Dec 757-759 Wm
onchocerciasis, humans, diagnostic methods, review

Diagnosis, Nematoda
Monteoliva M; Hermoso R; Sanchez M
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 9-17 Wa
Ascaris lumbricoides, biochemical diagnosis, gas chromatography of volatile fatty acids in urine, small gut, and excrement of parasitized and non-parasitized pigs

Diagnosis, Nematoda
Moraleda L; Diaz G; Israel E
1980 Rev Chilena Pediat 51 (1) Jan-Feb 59-60 Wm
Balantidium coli, Trichuris trichiura, mixed infection, 10-year-old boy, clinical course, importance of differential diagnosis of dysenteric syndromes: Mafil, provincia de Valdivia, Chile

Diagnosis, Nematoda
Muller R
1979 Symposia Brit Soc Parasitol 17 175-206 Wa
Onchocerca, differentiation of species, intraspecific variation in O. volvulus, review

Diagnosis, Nematoda
Nakata H; Takeda K; Nakayama T
1980 Radiology 135 (1) Apr 49-53 Wm
Anisakis larva, woman, case report, radiological diagnosis of acute gastric anisakiasis, clinical features, removal of larva by endoscopy

Diagnosis, Nematoda
Oakley GA
1980 Research Vet Sc 29 (3) Nov 395-396 Wa
Dictyocaulus viviparus, calves (exper.), modification of Inderbitzen's lung perfusion method enabled recovery of more lungworms than the modified Baermann technique, possible use for post mortem diagnosis of patent or prepatent infections

Diagnosis, Nematoda
Omar MS; Nathan MB
1979 Tropenmed u Parasitol 30 (4) Dec 475-476 Wa
Mansonella ozzardi, microfilariae from Trinidad, West Indies, histochemical pattern of acid phosphatase activity, can be used to differentiate from other human microfilariae

Diagnosis, Nematoda
Pilitt PA; Lichtenfels JR; Madden PA
1979 Proc Helminth Soc Washington 46 (1) Jan 15-20 Issued Mar 14 Wa
Parascaris equorum, horses, description of 4th-, molting 4th-, and early 5th-stage larvae, differentiation of stages and sexes, light and scanning electron microscopy

Diagnosis, Nematoda
Pratt SE et al
1981 J Am Vet Med Ass 179 (6) Sept 15 592-593 Wa
Dirofilaria immitis, Dipetalonema reconditum, prevalence in dogs, evaluation of criteria used to speciate microfilariae: Missouri

Diagnosis, Nematoda
Rajamanickam C et al
1981 Southeast Asian J Trop Med and Pub Health 12 (2) June 283-284 Wa
Dirofilaria immitis, dogs suspected to have heartworm infections, diagnostic comparisons of wet smear, Knott centrifuge technique, and a new Difil Kit method: Malaysia

Diagnosis, Nematoda
Rani S; Beohar PC
1981 Acta Cytol 25 (4) July-Aug 425-426 Wa
Wuchereria bancrofti, 18-year-old male with sickle cell anemia, microfilaria discovered in bone marrow aspirate: central India

Diagnosis, Nematoda
Rawlings CA et al
1981 J Am Vet Med Ass 178 (11) June 1 1172-1177 Wa
Dirofilaria immitis, dogs, thoracic radiograph as aid in diagnosis and in determining success of adulticide treatment

Diagnosis, Nematoda
Ruiz-Reyes F
1979 SPM Salud Pub Mexico 21 (6) Nov-Dec 741-745 Wm
onchocerciasis, humans, clinical aspects useful in diagnosis

Diagnosis, Nematoda
Sankale M et al
1979 Bull Soc Path Exot 72 (3) May-June 265-271 Wa
helminthiasis, Europeans returning from tropical areas, evaluation of hypereosinophilia as diagnostic indicator for parasitic diagnostic workup

Diagnosis, Nematoda
Schulman A
1977 Am J Gastroenterol 68 (2) Aug 167-170 Wm
Ascaris lumbricoides, Korean woman, case report, clinical and radiological diagnostic aspects of bile duct infestation: California

Diagnosis, Nematoda
Setasuban P; Dangsupa P
1981 J Med Ass Thailand 64 (2) Feb 69-71 Wm
Necator americanus, Thai strain, human infections, prevalence (mostly female worms), intensity, localization in intestine, diagnosis by direct fecal smear and flotation technique, accuracy of diagnostic findings assessed by fecal egg counts: Thailand

Diagnosis, Nematoda
Skromne-Kadlubik G et al
1980 Bol Med Hosp Inf Mexico 37 (3) May-June 413-416 Wm
trichinosis, rats (exper.), diagnosis using labelled antibodies; using a lethal dose of labelled antibodies these trichina larvae were radiolysed without damage to host

Diagnosis, Nematoda
Smith RE
1980 Vet Rec 107 (11) Sept 13 256 Wa
Aelurostrongylus abstrusus, kitten (feces), fenbendazole, need to consider lungworm infection in differential diagnosis of coughing

Diagnosis, Nematoda
Subrahmanyam M; Belokar WK
1979 Indian J Pediat (382) 46 Nov 417-418 Wm
filariasis, children, diagnosis, pathology: India

Diagnosis, Nematoda
Tada I et al
1981 Am J Trop Med and Hyg 30 (3) May 593-597 Wa
6 filarial species, use of aceto-orcein-stained squash preparations for enumeration of nuclei in microfilariae

Diagnosis, Nematoda
Tanaka H; Shibuya T
1980 Japan J Exper Med 50 (5) Oct 393-394 Wa
microfilaraemia, diagnosis, modification of nuclepore filtration technique

Diagnosis, Nematoda
Teuber J; Brehm H; Stumpf J
1979 Immun u Infekt 7 (6) Dec 213-221 Wm
Trichinella spiralis, human, brief review (of history, epidemiology, biology and transmission, immunology, different diagnostic methods); evaluation of modified indirect immunofluorescence test; lymphocyte transformation test, evidence for immunosuppressive effect produced by adult worms

Diagnosis, Nematoda
Urch DL; Allen WR
1980 Equine Vet J 12 (2) Apr 74-77 Wa
Dictyocaulus arnfieldi and intestinal parasites in ponies, donkeys, and foals, efficacy of fenbendazole; haematological parameters, eosinophilia proved useful in detecting lungworm infections in donkeys

Diagnosis, Nematoda
Vargas Carreto G et al
1979 Bol Med Hosp Inf Mexico 36 (5) Sept-Oct 909-917 Wm
Capillaria hepatica, 2-year-old child, differential diagnosis, pathology: Mexico

Diagnosis, Nematoda
Volkheimer G
1981 Leber Magen Darm 11 (2) Apr 94-96 Wm
functional abdominal complaints in humans, intestinal parasites such as Ascaris, Trichuris, and Ancylostoma included as possible etiologies in differential diagnosis

Diagnosis, Nematoda
Wachtel EG; Hudson EA
1980 Brit J Hosp Med 23 (3) Mar 256-258 260 262-265 Wm
usefulness of cytology in diagnosing human infections, includes information on amoebiasis, microfilaria, Toxoplasma, schistosomiasis, and Trichomonas vaginalis

Diagnosis, Nematoda
Wang F; Yang G; Wang X
1980 Chinese Med J 93 (12) Dec 857-860 Wm
Disc electrophoretic studies of hookworms: Preliminary comparison of protein fraction in adult Necator americanus, Ancylostoma duodenale and Ancylostoma caninum, species differentiation

Diagnosis, Nematoda
Wang T et al
1980 Acta Cytol 24 (1) Jan-Feb 40-43 Wa
Strongyloides stercoralis, hyperinfected immunosuppressed 60-year-old male, diagnosis in sputum cytology: Hines VA Medical Center, Hines, Illinois

Diagnosis, Nematoda
Whitaker D; Reed WD; Shilkin KB
1980 Pathology 12 (3) July 483-486 Wm
Loa loa, 47-year-old man who had worked in endemic area, case report, diagnosis, numerous microfilariae found in gastric lavage specimen

Diagnosis, Nematoda
Whitlock HV et al
1980 Vet Parasitol 7 (3) Nov 215-232 Wa
simplified in vitro field screening methods for detection and assay of benzimidazole-resistance in sheep trichostrongylids and horse strongyles, field method for selecting test animals with low egg-counts, method for counting low levels of nematode eggs in faeces, method for recovery of eggs from faeces, method for culture of eggs or 1st-stage larvae to 3rd stage for identification

Diagnosis, Nematoda
Wojcik K et al
1980 Wiadom Lekar 33 (7) Apr 1 523-525 Wm
oxyuriasis of intestinal tract in patients with appendicitis, clinical aspects, diagnostic findings

Diagnosis, Nematoda
Yassin SMA; Garret M
1980 Acta Cytol 24 (6) Nov-Dec 539-544 Wa
Strongyloides stercoralis, 79-year-old Jamaican patient, first report of infection diagnosed in Papanicolaou smear of gastric aspirate, review of literature on parasites encountered in Papanicolaou smear

Diagnosis, Protozoa
Abramo Orrego L et al
1980 Medicina Buenos Aires 40 Suppl (1) 56-62 Wm
Trypanosoma cruzi, diagnosis, exper. study comparing various culture methods and xenodiagnosis

Diagnosis, Protozoa
Abul-Khair MH et al
1981 Ann Surg 193 (2) Feb 221-226 Wm
Entamoeba histolytica, patients with suspected hepatic abscesses, evaluation of ultrasonography for diagnosis, for pinpointing site for therapeutic aspiration of abscess, and for follow-up assessment of therapy, results compared with those of standard diagnostic tests: Egypt

Diagnosis, Protozoa
Aljeboori TI; Evans DA
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 169-177 Wa
Leishmania donovani stocks isolated from children in Iraq, comparison between themselves, with L. donovani isolated in Iran and the Sudan, and with Leishmania sp. (determined to be L. tropica) isolated from viscera of rat caught in Baghdad on basis of electrophoretic isoenzyme patterns

Diagnosis, Protozoa
Aljeboori TI; Evans DA
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 178-184 Wa
Leishmania tropica and L. major both found in human cutaneous leishmaniasis on basis of electrophoretic isoenzyme patterns: Iraq

Diagnosis, Protozoa
Anderson BC
1981 J Am Vet Med Ass 178 (9) May 1 982-984 Wa
Cryptosporidium-like organisms, diarrheic dairy calves, evaluation of fecal flotation, diagnosis; pattern of shedding oocysts in feces: Idaho

Diagnosis, Protozoa
Anez N
1980 Ann Trop Med and Parasitol 74 (5) Oct 561-562 Wa
Trypanosoma rangeli, detection of parasites by induced salivation of infected Rhodnius prolixus on glass slides

Diagnosis, Protozoa
Angus KW et al
1981 Vet Rec 108 (8) Feb 21 173 Wa
cryptosporidium oocysts and yeasts, cattle, differential diagnosis using Grocott-Gomori methanamine silver stained faecal smears taken during field outbreaks of diarrhoea

Diagnosis, Protozoa
Araujo FG; Handman E; Remington JS
[1981] J Protozool 27 (4) Nov 1980 397-400
Issued Mar 11 Wa
Trypanosoma cruzi, qualitative and quantitative variations of carbohydrate determinants on cell surface of 3 developmental stages of 3 parasite strains demonstrated by using lectins with different specificities, results suggest that lectin binding may be useful in characterization of parasite strains

Diagnosis, Protozoa
Araujo FG; Remington JS
1981 J Immunol 127 (3) Sept 855-859 Wm
Trypanosoma cruzi, characterization of stages and strains by analysis of cell membrane components by electrophoresis and immunoprecipitation

Diagnosis, Protozoa
Arnot DE; Barker DC
1981 Molec and Biochem Parasitol 3 (1) May 47-56 Wa
Leishmania SP48, L. tropica major, L. aethiopica, L. tarentolae, kinetoplast DNA sequence homologies, results emphasize danger of constructing rigid Leishmania classification on buoyant density data alone, covalent binding of kDNA electrophoretic separations on diazobenzyloxymethyl paper permits construction of DNA sequence 'library' which can be used in classification and diagnosis of unknown Leishmania isolates

Diagnosis, Protozoa
Askin FB; Katzenstein ALA
1981 Chest 79 (4) Apr 420-422 Wm
Pneumocystis carinii, immunocompromised patients, lung infections masquerading as diffuse alveolar damage, potential source of diagnostic error

Diagnosis, Protozoa
Awan MAQ
1979 Acta Trop 36 (4) Dec 343-347 Wa
Trypanosoma brucei subspecies isolated from game animals, identification by Blood Incubation Infectivity Test: Zambia

Diagnosis, Protozoa
Bader O et al
1979 Wiadom Lekar 32 (6) Mar 15 385-387 Wm
Lamblia intestinalis, humans, diagnosis of clinical forms and of pathology important to surgeons, surgical conditions cured after therapy for recognized giardiasis

Diagnosis, Protozoa
Balasegaram M
1981 Current Problems Surg 18 (5) May 282-340 Wm
Entamoeba histolytica, human hepatic abscess, extensive clinical review (etiology, pathology, clinical manifestations, diagnostic aids, complications, abscess localizations, surgical therapy, prognosis)

Diagnosis, Protozoa
Barker DC; Arnot DE
1981 Molec and Biochem Parasitol 3 (1) May 33-46 Wa
Leishmania SP48, L. tropica major, L. aethiopica, isolated from human cutaneous leishmaniasis, L. tarentolae as model organism, ultrastructure of promastigotes, ultrastructure of isolated kinetoplast DNA, buoyant density analysis of kinetoplast and nuclear DNA, application to identification and taxonomy

Diagnosis, Protozoa
Barretto MP; Ribeiro RD; Ferriolli Filho F
1980 Rev Brasil Biol 40 (2) May 387-391 Wa
Trypanosoma cruzi, 50 strains isolated from Didelphis marsupialis aurita and D. a. azarae, diagnosis, characteristics and infection patterns studied in laboratory animals and triatomines: Estado de Sao Paulo

Diagnosis, Protozoa
Baumelou A et al
1979 Semaine Hop Paris 55 (37-38) Nov 8-15 1705-1708 Wm
Plasmodium falciparum, humans, severe forms with unusual presentations, differential diagnosis, case reports, principles of treatment and prophylaxis: France, after visits to various African nations

Diagnosis, Protozoa
Bekerman C et al
1980 Seminars Nuclear Med 10 (3) July 286-301 Wm
Gallium-67, principal diagnostic tool for evaluating pulmonary inflammatory diseases such as Pneumocystis carinii

Diagnosis, Protozoa
Benoit M; Salembier Y; Dei-Cas E
1980 Lille Med 25 (1-2) Jan-Feb 43-44 Wm
Entamoeba histolytica, man, hepatic amebic abscess diagnosed by pathological examination of surgically removed specimen, diagnosis prior to surgery had been inconclusive: France, had resided in Senegal

Diagnosis, Protozoa
Bergeland ME; Johnson DD; Shave H
1979 Proc 22 Ann Meet Am Ass Vet Lab Diagn (San Diego California Oct 28-30 1979) 131-138 Wa
Cryptosporidia [sp.], diarrheal calves (ileum, feces), monthly incidence, mixed infections (bacteria and viruses), direct smear technique vs. histologic examination, diagnosis: South Dakota; Minnesota; Iowa; Nebraska; North Dakota

Diagnosis, Protozoa
Berland B; Højgaard DP
1981 J Parasitol 67 (4) Aug 598-599 Wa
Eimeria clupearum in Micromesistius poutassou (liver), IKI-solution used for flotation of oocysts and precipitation of oil from fish liver: Faeroe (N-Atlant.) fishing grounds

Diagnosis, Protozoa
Boch J
1980 Berl u Munchen Tierarztl Wchnschr 93 (19) Oct 1 385-394 Wa
Toxoplasma gondii, domestic animals, prevalence, diagnosis, life cycle, hygienic importance, review

Diagnosis, Protozoa
Boid R et al
1981 Trop Animal Health and Prod 13 (3) Aug 141-146 Wa
Trypanosoma evansi, goats, sheep, and camels examined with 3 parasitological tests and enzyme immunoassay, trypanosomes found only from camels, antibodies found in all 3 host species, possible epidemiological significance in relation to camel trypanosomiasis: Eastern Sudan

Diagnosis, Protozoa
Borst P et al
1980 Molec and Biochem Parasitol 1 (4) Aug 221-246 Wa
Trypanosoma spp., characterization of non-kinetoplast DNA by restriction endonuclease digestion, can be used to differentiate species or even strains but not antigenic variants

Diagnosis, Protozoa
Borst P et al
1980 Biochim et Biophys Acta 610 (2) Dec 11 197-210 Wm
Trypanosoma brucei, variations in maxi-circle and mini-circle sequences in kinetoplast DNAs from different strains, results could be useful in determining how closely two strains are related and as sensitive tags for individual strains

Diagnosis, Protozoa
Borst P; Fase-Fowler F; Gibson WC
1981 Molec and Biochem Parasitol 3 (2) June 117-131 Wa
Trypanosoma brucei gambiense, T. b. rhodesiense, T. b. brucei, quantitation of genetic differences by restriction enzyme analysis of kinetoplast DNA, these 3 variants are so closely related that they cannot be distinguished on this basis alone

Diagnosis, Protozoa
Brandborg LL et al
1980 Gastroenterology 78 (6) June 1602-1614 Wa
Giardia lamblia, man who had vacationed in Tahiti, case report; discussion of traveler's diarrhea and giardiasis (epidemiology, pathogenesis, diagnosis, asymptomatic infections, pathology, G. muris in mouse model, treatment)

Diagnosis, Protozoa
Brauns I; Perlewitz J; Anger G
1980 Ztschr Ges Innere Med 35 (23) Dec 1 851-853 Wm
human malarias introduced into Germany, differential diagnosis, diagnostic problems

Diagnosis, Protozoa
Bronia DI et al
1980 Medicina Buenos Aires 40 Suppl (1) 154-158 Wm
Trypanosoma cruzi, Tulahuen, ES, and Brazil strains, comparison of fatty acid composition of total cellular lipids and lipid fractions, not a useful criterion for taxonomic identification

Diagnosis, Protozoa
Bruchac D et al
1979 Bratisl Lekar Listy 72 (4) Oct 420-424 Wm
trichomoniasis, incidence of vaginal infections in pre-operative patients (most frequent in ages 26-45), diagnosis by microscopic, colposcopic, and culture examinations, importance of diagnosis prior to gynecological surgical procedures

Diagnosis, Protozoa
Bueno H; Parrish L
1981 Am J Proctol Gastroenterol and Colon and Rectal Surg 32 (3) Mar 6 28 Wm
Entamoeba histolytica, Balantidium coli and other human intestinal protozoa, diagnosis, Bueno-Parrish technique for specimen preparation, superficial biopsy, and fecal examination

Diagnosis, Protozoa
Cabral HR
1980 Medicina Buenos Aires 40 Suppl (1) 247-250 Wm
Trypanosoma cruzi, humans, diagnosis, early detection method

Diagnosis, Protozoa
Carosi G et al
[1980] Riv Parassitol Roma 39 (2-3) 1978 49-62 Issued Jan Wa
Acanthamoeba castellanii, A. rhysodes, A. polyphaga, analysis of cystic forms, possible use in differential diagnosis of strains isolated from environment or from human infections, electron microscopy

Diagnosis, Protozoa
Carranza C et al
1980 Rev Med Chile 108 (11) Nov 1002-1010 Wm
Chagas disease, humans, subclinical cardiovascular infections, non-invasive diagnostic tests (EKG, chest X-ray etc.) are useful

Diagnosis, Protozoa
Cayea PD; Rubin E; Teixidor HS
1981 Am J Roentgenol 137 (1) July 51-55 Wa
atypical pulmonary malaria, usually caused by P[lasmodium] falciparum, humans, radiologic diagnostic aspects, clinical management, case reviews

Diagnosis, Protozoa
Cerva L
1980 Science (4464) 209 Sept 26 1541 Wa
Naegleria fowleri in axenic cultures, trimethoprim inhibits growth of nonvirulent strains but does not affect virulent strains, differences in sensitivity constitute possibility of simple selection of environmental isolates, pathogenicity and virulence of Naegleria spp. may be connected with metabolism of folic acid

Diagnosis, Protozoa
Chamorro-Mera C; Hurtado-Lopez M; Angel-Arango E
1979 Rev Interam Radiol 4 (2) Apr 63-73 Wm
Toxoplasma gondii, clinical, radiological, and pathological findings of 44 cases, intracranial calcification of diagnostic significance, mostly males and neonates affected

Diagnosis, Protozoa
Chance ML
1979 Symposia Brit Soc Parasitol 17 55-74 Wa
Leishmania, identification, review: morphology, DNA buoyant density, DNA-RNA hybridization, enzyme electrophoresis

Diagnosis, Protozoa
Charet P et al
1980 Comp Biochem and Physiol 65B (3) 519-524 Wa
Plasmodium yoelii nigeriensis, P. chabaudi, aminopeptidases, physicochemical properties; inhibition by chloroquine, quinacrine, and primaquine, but less so by quinine; species differences in isoenzyme profile

**Diagnosis, Protozoa**
**Chaves FJZC et al**
**1977 Am J Gastroenterol 68 (3) Sept 273-277 Wm**
**E[ntamoeba] histolytica, laboratory and chest X-ray findings in 56 human cases with hepatic abscesses, diagnostic significance especially in endemic areas where more sophisticated facilities are not available: Luanda**

Diagnosis, Protozoa
Chevrier L et al
1979 Bull Acad Vet France 132 n s 52 (4) Nov-Dec 483-489 Wa
Babesia and equine infectious anemia in horses, differential diagnosis, clinical aspects and hematological and serological analyses compared; both diseases can co-exist in same animal

**Diagnosis, Protozoa**
**Chigot JP et al**
**1981 Med & Chir Digest 10 (1) 61-64 Wm**
**hepatic amoebic abscesses, humans, multiple case reviews, diagnostic and therapeutic problems: France**

Diagnosis, Protozoa
Chizynski Z; Dworniak D; Tkacz B
1979 Wiadom Lekar 32 (6) Mar 15 399-401 Wm
toxoplasmosis, human generalized lymphonodular form, case report, differential diagnosis

Diagnosis, Protozoa
Cintado Bueno C et al
1980 An Espan Pediat 13 (2) Feb 119-126 Wm
Leishmania donovani, children under 6 years of age, etiologic, clinical, evolutive, and therapeutic aspects, importance of visualizing leishmanias by bone marrow puncture for true diagnosis: province of Seville, Spain

Diagnosis, Protozoa
Coelle H et al
1980 Leber Magen Darm 10 (2) Apr 111-114 Wm
amoebiasis, patients, ultrasonic diagnosis and control of hepatic abscesses, case reviews

Diagnois, Protozoa
Collins AT; Cromwell LD
1980 J Comput Assist Tomogr 4 (3) June 326-329 W[illegible]
congenital cerebral toxoplasmosis, infants, diagnosis using computed tomography: Washington

Diagnosis, Protozoa
Cordova AR et al
1980 Bol Asoc Med Puerto Rico 72 (2) Feb 81-87 Wm
Pneumocystis carinii, 27-year-old woman after renal transplant, diagnosis by transbronchial biopsy, case report, literature review

Diagnosis, Protozoa
Costa A et al
1980 Rev Pediat (Pediat) Bucuresti 29 (1) 51-57 Jan-Mar Wm
Pneumocystis carinii, humans, pneumonia, diagnosis, detection of parasite in laryngo-tracheal secretions, best results obtained if secretions are taken during acute stage of infection: Oradea Children's Hospital

Diagnosis, Protozoa
Croft SL; Chance ML; Gardener PJ
1980 Ann Trop Med and Parasitol 74 (6) Dec 585-589 Wa
Endotrypanum, 7 strains, ultrastructural and biochemical (nuclear and kinetoplast DNA buoyant density; enzyme electrophoresis) characterization, division into 2 taxonomic units but separation does not agree with original identification as E. schaudinni or E. monterogeii, stock isolated from Lutzomyia trapidoi was identified as Endotrypanum sp.

Diagnosis, Protozoa
Cruz I; Borges A; Mota JCB
1979 Acta Med Portug 1 (1) Jan-Feb 79-87 Wm
Entamoeba histolytica, man, hepatic abscess, differential diagnosis, clinical management, diagnosis confirmed and therapy followed using X-ray computed tomography and ultrasonography: Portugal

**Diagnosis, Protozoa**
**Daggett PM et al**
**[1981] J Protozool 27 (4) Nov 1980 353-361 Issued Mar 11 Wa**
**method for coding data on protozoan strains for computers**

Diagnosis, Protozoa
Darlak JJ; Moskowitz M; Kattan KP
1980 Radiol Clin North Am 18 (2) Aug 209-219 Wm
parasites and other causes of hepatic calcifications, humans, diagnosis using abdominal ultrasonography, fluoroscopy, or conventional contrast radiography

**Diagnosis, Protozoa**
**DeCock KM; Calder JF**
**1981 Tr Roy Soc Trop Med and Hyg 75 (5) 632-636 Wa**
**ultrasonic diagnosis of abdominal disease, including amoebic liver abscess and hydatid cyst: Kenya**

**Diagnosis, Protozoa**
**De Jonckheere JF**
**1980 Applied and Environment Microbiol 39 (4) Apr 681-685 Wa**
**Acanthamoeba, 36 strains belonging to 19 different species, Comandonia operculata, one strain, comparison of temperature tolerance, ability to grow in axenic medium, cytopathic effect in cell culture, and virulence in mice, attempt to provide methods for specific isolation and identification of pathogenic strains**

Diagnosis, Protozoa
Delcourt JN et al
1979 Arch Fr Pediat 36 (9) Nov 873-884 Wm
Pneumocystis carinii, immunocompromised children, retrospective study of 33 cases to define optimal management, endobronchial brushing recommended as simple, effective, and rapid diagnostic method

Diagnosis, Protozoa
Delemarre-van de Waal HA; de Waal FC
1981 Nederl Tijdschrift Geneesk 125 (10) Mar 7 375-377 Wm
Plasmodium falciparum, child who had never travelled outside the Netherlands but who had slept on boat in area very near to Amsterdam airport, probably infected by bite of Anopheles imported by aircraft from a tropical endemic area; differential diagnosis, diagnostic alert

Diagnosis, Protozoa
Dennig HK et al
1980 Berl u Munchen Tierarztl Wchnschr 93 (19) Oct 1 373-379 Wa
Babesia canis, B. gibsoni, morphology, epidemiology, symptoms, diagnosis, therapy, and prophylaxis, review: Federal Republic of Germany and West Berlin

Diagnosis, Protozoa
Desmonts G
1979 Rev Med Chile 107 (1) Jan 42-50 Wm
Toxoplasma, study of 1,200 infected pregnant women considered at risk of giving birth to a congenitally infected child, treatment with spiramycin, percentage of congenital transmissions, severity of infection depends mainly on date in pregnancy when maternal infection was acquired

Diagnosis, Protozoa
Despommier DD
1981 Bull N York Acad Med 2 s 57 (3) Apr 212-216 Wa
Entamoeba histolytica, human, intestinal and extraintestinal amebiasis, laboratory diagnosis, symposium presentation

Diagnosis, Protozoa
Dewbury KC et al
1980 Brit J Radiol (636) 53 Dec 1160-1165 Wa
ultrasound in the diagnosis of early liver abscesses, humans, includes Entamoeba histolytica as causative organism

Diagnosis, Protozoa
Dillmann JSS; Townsend AJ
1979 Acta Trop 36 (4) Dec 349-356 Wa
trypanosomiasis survey of wild animals, comparative efficiency of various diagnostic methods: Zambia

Diagnosis, Protozoa
Drouin TE; Mahrt JL
1979 Canad J Zool 57 (10) Oct 1915-1921 Wa
Sarcocystis [sp.], prevalence in birds, unsuccessful attempts to complete life cycle, reliability of histological diagnosis of infections in host muscle

Diagnosis, Protozoa
Duvallet G et al
1979 Nouv Presse Med 8 (3) Jan 20 214-215 Wm
African trypanosomiasis, humans, diagnosis, haematocrit centrifugation technique

Diagnosis, Protozoa
Eggleston FC; Verghese M; Handa AK
1980 Trop Doctor 10 (4) 160-168 Wm
Amoebic perforation of the bowel, humans, diagnosis and management

Diagnosis, Protozoa
Emerson RG et al
1981 Pediatrics 67 (5) May 653-655 Wa
toxoplasmosis, neurological infection in immunologically compromised 10-year-old girl, early detection and prolonged therapy (sulfadiazine and pyrimethamine) resulted in favorable outcome, computed tomography scanning may be useful in diagnosis and follow-up

Diagnosis, Protozoa
Erber M; Geisel O
1981 Ztschr Parasitenk 65 (3) 283-291 Wa
Sarcocystis equicanis, S. fayeri, horses (muscles), abattoir survey, prevalence by host age group, isolation and differentiation of sarcocysts in fresh preparations and by histopathological examination, morphology, experimental infection in dogs, ponies subsequently infected showed no clinical signs but showed different developmental stages of both species of sarcocysts in muscles

Diagnosis, Protozoa
Etkind P et al
1980 J Parasitol 66 (1) Feb 107-110 Wa
Babesia microti, comparison of various techniques for diagnosing infection in naturally infected wild rodents

Diagnosis, Protozoa
Ewers HR
1981 Deutsche Med Wchnschr 106 (6) 181-184 Wa
Entamoeba histolytica, humans, diagnostic pathology, differential diagnosis from other pathogenic and non-pathogenic species, review

Diagnosis, Protozoa
Farri TA et al
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 672-673 Wa
Entamoeba histolytica, electrophoretic studies of hexokinase of isoenzyme groups I to IV

Diagnosis, Protozoa
Felgner P et al
1981 Tropenmed u Parasitol 32 (3) Sept 134-140 Wa
Trypanosoma brucei gambiense, human, prevalence by age and sex, parasitological examination (hematocrit centrifugation technique, subinoculation into Mastomys natalensis, miniature anion exchange centrifugation method), immunodiagnostic examination (enzyme-linked immunosorbent assay, indirect immunofluorescent test, radial immunodiffusion for IgM concentrations): Ivory Coast; Upper Volta

Diagnosis, Protozoa
Felman YM; Nikitas JA
1980 N York State J Med 80 (5) Apr 781-783 Wm
diagnosis and treatment of sexually transmitted diseases, equipment necessary to set up a physician's office, includes information on trichomoniasis and scabies

Diagnosis, Protozoa
Fistein B; Chowdhury MNH
1980 Ann Trop Med and Parasitol 74 (2) Apr 251-253 Wa
Trypanosoma cruzi, detection of flagellates in fluid obtained by puncturing Rhodnius prolixus shortly after completion of infected blood meals, suggested as possible adjunct to xenodiagnosis

Diagnosis, Protozoa
Fouts AC; Kraus SJ
1980 J Infect Dis 141 (2) Feb 137-143 Wa
Trichomonas vaginalis, 400 women, evaluation of clinical observations, Donne's wet-mount preparation, and 2 culture systems for diagnosis: DeKalb County, Georgia

Diagnosis, Protozoa
Francois J
1981 J Franc Ophtal 4 (2) 157-165 Wm
toxoplasmosis, human congenital infections, delayed pathologic developments in eye, differential diagnosis

Diagnosis, Protozoa
Franquelo Villalonga E et al
1980 Rev Espan Enferm Apar Digest 57 Mar suppl 3 52-57 Wm
Giardia lamblia, man, case report, parasitic duodenitis diagnosed by endoscopy

Diagnosis, Protozoa
Furtado T
1980 An Brasil Dermat 55 (2) Apr-June 81-86 Wm
American cutaneous leishmaniasis, human, diagnosis, review: detection of organisms, skin tests, complement fixation, indirect immunofluorescence

Diagnosis, Protozoa
Galbraith RM et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 52-60 Wa
Plasmodium falciparum, evaluation of several methods for recognition of pigment and parasites in human placenta

Diagnosis, Protozoa
Garcia LS; Brewer TC; Bruckner DA
1979 Am J Med Tech 45 (11) Nov 932-935 Wm
intestinal protozoa, recovery and identification in fecal specimens, comparison of formalin-ether concentration and trichrome-stained smear methods

Diagnosis, Protozoa
Garcia LS; Voge M
1980 Am J Med Tech 46 (11) Nov 821-836 Wa
Diagnostic clinical parasitology. II. Identification of the intestinal protozoa

Diagnosis, Protozoa
Garcia LS; Voge M
1981 Am J Med Tech 47 (1) Jan 21-27 Wa
protozoa, humans (blood), recovery and identification

Diagnosis, Protozoa
Garcia Fernandez P
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 341-351 Wm
Babesia spp., bovine, comparison of morphological differences, good criteria for clinical diagnosis

Diagnosis, Protozoa
Gaupp RJ; Schreiber MH
1980 Current Problems Diag Radiol 9 (2) Mar-Apr 1-59 Wm
simulators of colonic carcinoma in humans, differential diagnosis, includes section on Entamoeba histolytica

Diagnosis, Protozoa
Gautam OP; Thawrani YP; Mathur PS
1980 Indian Pediat 17 (6) June 511-514 Wm
Plasmodium vivax, P. falciparum, differing diagnostic patterns of infection in children, clinical pathology: India

Diagnosis, Protozoa
Geelhoed GW et al
1979 Am Surg 45 (5) May 293-304 Wm
Pneumocystis carinii, clinical and pathological findings in 80 patients, differential diagnosis, medical management: National Cancer Institute, Bethesda

Diagnosis, Protozoa
Genc S; Ulker M; Mercangoz F
1979 Mikrobiyol Bul 13 (1) Jan 27-33 Wm
Trichomonas vaginalis, women with vaginitis, diagnosis by culture and direct microscopic examination, incidence survey

Diagnosis, Protozoa
Gerber JE et al
1981 J Clin Microbiol 13 (1) Jan 236-237 Wa
Plasmodium vivax, exflagellation of microgametocytes in human peripheral blood, diagnostic implications

Diagnosis, Protozoa
Gibson WC; Lumsden WHR
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 688 Wa
Trypanosoma brucei, isoenzyme electrophoretic characterization of ETat and AnTat serodemes

Diagnosis, Protozoa
Gibson WC; Marshall TFC; Godfrey DG
1980 Advances Parasitol 18 175-246 Wa
Trypanosoma (Trypanozoon), numerical analysis of enzyme polymorphism, new approach to epidemiology and taxonomy with proposals for working nomenclature with 6 "groupings"; "T. b. brucei, T. b. rhodesiense, T. b. gambiense and T. evansi should be united under one name, T. brucei."

Diagnosis, Protozoa
Gilman R et al
1980 Gastroenterology 78 (3) Mar 435-439 Wa
Entamoeba histolytica, detection in rectal biopsies, comparison of direct and indirect fluorescent antibody techniques with 4 conventional stains

Diagnosis, Protozoa
Godfrey DG
1979 Symposia Brit Soc Parasitol 17 31-53 Wa
Trypanosoma, significance of zymodemes (enzymically different groupings), review

Diagnosis, Protozoa
Gregory MW et al
1980 Vet Rec 106 (22) May 31 461-462 Wa
Eimeria spp., lambs, analysis of cases from England and Wales 1978-1979, criteria used in diagnosis

Diagnosis, Protozoa
Grines C et al
1981 Arch Int Med Chicago 141 (7) June 935 Wa
Toxoplasma gondii, 2 patients with Hodgkin's disease, Toxoplasma meningoencephalitis with hypoglycorrhachia, diagnostic problems in immunocompromised host

Diagnosis, Protozoa
Habibullah CM et al
1980 J Ass Physicians India 28 (7) July 177-179 Wm
Study of alpha-1-antitrypsin activity in liver diseases, elevated levels in patients with amoebic liver abscesses, useful in differential diagnosis

Diagnosis, Protozoa
Hall JE; Seed JR
1981 Comp Biochem and Physiol 69B (4) 791-796 Wa
Trypanosoma brucei gambiense, acutely infected mice, quantitation of aromatic amino acid catabolites in urine (presumably resulting from trypanosome catabolism although induction of host pathways may contribute), metabolic disturbance could contribute to pathogenesis of trypanosomiasis, may also prove to be useful diagnostically

Diagnosis, Protozoa
Harry OG
1979 J Invert Path 34 (2) Sept 203-205 Wa
Trichodina [sp.], recognition technique, immersion of invertebrate host in suspension of killed yeast cells stained with Congo red

Diagnosis, Protozoa
Hasleton PS; Curry A; Rankin EM
1981 J Clin Path 34 (10) Oct 1138-1146 Wa
Pneumocystis carinii pneumonia, 18-year-old male with diffuse lymphocytic lymphoma, case review; light and electron microscopic features, life cycle, possible role of electron microscopy in early diagnosis

Diagnosis, Protozoa
Hayashi K et al
1979 Rinsho Hoshasen (Japan J Clin Radiol) 24 (13) Dec 1443-1449 Wm
Pneumocystis carinii, humans with histologically proven pneumonia, pathology as manifested radiologically

Diagnosis, Protozoa
Healy GR; Ruebush TK II
1980 Am J Clin Path 73 (1) Jan 107-109 Wa
Babesia microti, description of morphologic characteristics seen in Giemsa-stained human blood smears, differentiated from Plasmodium spp. by presence of pigment deposits in erythrocytes parasitized with older stages of Plasmodium

Diagnosis, Protozoa
Hecker H
1980 Path Research and Pract 166 (2-3) 203-217 Wm
Trypanosoma brucei subgroup and other trypanosomes, morphometric differentiations, possible applications to study of cell biology, physiology, and pathologic effects, general review

Diagnosis, Protozoa
Heine J
1981 Berl u Munchen Tierarztl Wchnschr 94 (6) Mar 15 103-104 Wa
Cystoisospora spp., mice (exper.), diagnosis of dormozoites in organs using trypsin digestion method

Diagnosis, Protozoa
Henry MC et al
1981 Ann Soc Belge Med Trop 61 (1) Mar 79-92 Wa
Trypanosoma brucei gambiense, humans, evaluation of various field techniques used in diagnosis: Zaire

Diagnosis, Protozoa
Hermier M et al
1981 Pediatrie Lyon 36 (3) Apr-May 211-216 Wm
Isospora hominis, child, extended severe infection, case review; differential diagnosis, diagnostic alert for physicians, pathology, therapy with fansidar: France

Diagnosis, Protozoa
Herrer A; Christensen HA
1980 Am J Trop Med and Hyg 29 (6) Nov 1196-1200 Wa
Leishmania braziliensis in Choloepus hoffmanni (skin, blood, liver, spleen, bone marrow, lung tissues) in relation to host age, nature and course of infection, improved detection of natural infections resulting from increased tissue sampling in culture techniques, considered to be principal reservoir host: Panama

Diagnosis, Protozoa
Hickerton JP; Jones TW
1981 Ann Trop Med and Parasitol 75 (4) Aug 473-474 Wm
Babesia rodhaini, B. microti, B. muratovi (= Nuttallia musculi), serological differentiation with fluorescent antibody staining technique

Diagnosis, Protozoa
Hinaidy HK
1980 Wien Tierarztl Monatsschr 67 (2) Feb 54-55 Wa
Sarcosporidia, detection in slaughtered cattle using simplified homogenization method

Diagnosis, Protozoa
Hinaidy HK
1981 Zentralbl Vet-Med Reihe B 28 (2) 146-160 Wa
Babesia divergens, identification in 26 splenectomized cattle experimentally infected with blood from chronic natural cases in Austria, morphometric and morphological studies, identification confirmed through demonstration of Ixodes ricinus as sole vector in Austria and absence of plugging of cerebral cortex capillaries with parasitized erythrocytes

Diagnosis, Protozoa
Hipp SS et al
1979 Sex Transmit Dis 6 (4) Oct-Dec 235-238 Wm
Trichomonas vaginalis, women, diagnosis, screening for infection by use of acridine orange fluorescent microscopy, test adapted for delayed examination of specimens (mailed-in vs on-site wet mount)

Diagnosis, Protozoa
Hockmeyer WT; Kager PA; Rees P
1980 Trop Dis Research Ser (3) 273-274 Wm
Leishmania donovani, human, cultivation of parasites obtained from splenic aspirates as aid in diagnosis and treatment of kala-azar, workshop presentation

Diagnosis, Protozoa
Hotho H
1977 Arch Geschwulstforsch 47 (5) 455-461 Wm
Trichomonas vaginalis, human vaginal infection, diagnosed by Papanicolaou smear, possible associations with vaginal cancer and other atypical cell alterations

Diagnosis, Protozoa
Irazusta Goena M et al
1980 Rev Espan Enferm Apar Digest 57 (6) June 683-690 Wm
Entamoeba histolytica, human hepatic abscesses, case reports, diagnosis by various radiographic methods, clinical aspects, therapy: Espana

Diagnosis, Protozoa
Joishy SK; Lopez CG
1980 Am J Hematol 8 (2) 221-229 Wm
Plasmodium falciparum, transfusion-induced infection in splenectomized beta-thalassemia major child, clinical case report; suggested guidelines to help prevent transfusion-induced malaria, index of suspect signs and symptoms as key to diagnosis

Diagnosis, Protozoa
Jokipii L; Jokipii AMM
1980 Ann Trop Med and Parasitol 74 (1) Feb 93-95 Wa
Giardia lamblia, recovery from human duodenal mucus using a home-made pearl-fishing device

Diagnosis, Protozoa
Kilgour V
1980 Molec and Biochem Parasitol 2 (1) Oct 51-62 Wa
Trypanosoma brucei subspp., bloodstream and culture forms compared with respect to electrophoretic mobilities and activities of 11 enzymes

Diagnosis, Protozoa
Klimanskaia EV et al
1980 Voprosy Okhr Materinstva i Detstva 25 (8) Aug 16-21 Wm
[Pneumocystis carinii], children with chronic bronchopulmonary diseases, differential diagnosis by direct examination most successful

Diagnosis, Protozoa
Knap J; Maslowski W
1980 Wiadom Lekar 33 (17) Sept 1 1391-1394 Wm
toxoplasmosis, human acquired infection, case report, diagnostic and therapeutic difficulties

Diagnosis, Protozoa
Knowles G; Sanderson A; Walliker D
1981 Exper Parasitol 52 (2) Oct 243-247 Wa
Plasmodium yoelii yoelii, Plasmodium yoelii nigeriensis, new electrophoretic variants of adenosine deaminase which differentiate these 2 subspecies, genetic analysis of crosses between these 2 subspecies

Diagnosis, Protozoa
Kremer M; Chaker E; Molet B
1979 Bull Soc Path Exot 72 (4) Mar-Apr 178-182 Wa
Entamoeba histolytica, humans, diagnosis, differential characters of vegetative forms of amoebae vs. cells found in feces of patients with recto-colitis of other causes, importance of fecal culture as well as direct examination

Diagnosis, Protozoa
Kreutzer RD; Christensen HA
1980 Am J Trop Med and Hyg 29 (2) Mar 199-208 Wa
Leishmania spp., characterization of species and strains by isozyme patterns on cellulose acetate electrophoresis

Diagnosis, Protozoa
Kreutzer RD; Sousa OE
1981 Am J Trop Med and Hyg 30 (2) Mar 308-317 Wa
Trypanosoma spp., isozyme patterns, cellulose acetate electrophoresis, variability between species and strains, potential for rapid trypanosome isolate identification, some indication that isozyme types were associated with geographical distribution

Diagnosis, Protozoa
Kubic P; Levitt C; Coccia P
1980 Minnesota Med 63 (3) Mar 161-163 Wm
Plasmodium falciparum, children who had travelled to or lived in endemic areas, emphasis on need for early diagnosis and prompt therapy to avoid fatal illnesses: Minnesota

Diagnosis, Protozoa
Kunstyr I; Naumann S
1981 Ztschr Versuchstierk 23 (4) 255-257 Wa
Eimeria caviae, guinea pigs, symptoms, emphasis on diagnosis

Diagnosis, Protozoa
Lainson R; Miles MA; Shaw JJ
1981 Ann Trop Med and Parasitol 75 (2) Apr 251-253 Wa
Leishmania, enzyme electrophoresis of several viscerotropic stocks, variations were minor and suggest that any taxonomic separation of these organisms would best be at subspecific level

Diagnosis, Protozoa
Lamki LM; Lamki N
1981 Clin Nuclear Med 6 (2) Feb 81-84 Wm
radionuclide imaging used to differentiate splenomegaly from pseudosplenomegaly associated with human hydatid hepatic cyst and with amebic hepatic abscess, case reports, clinical aspects

Diagnosis, Protozoa
Landay MJ et al
1980 Am J Roentgenol 135 (3) Sept 449-454 Wa
Entamoeba histolytica, human hepatic abscess with thoracic involvement, sonographic and radiographic findings pre- and post-therapy

Diagnosis, Protozoa
Lanham SM et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 471-473 Wa
Trypanosoma vivax from sick Bubalus bubalis (blood), diagnosis of subpatent infection by anion exchange separation: Para State, Brazil

Diagnosis, Protozoa
Lanham SM et al
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 742-750 Wa
Trypanosoma cruzi, standard stocks of zymodemes from northeast Brazil, isoenzyme characterization, comparison of cellulose acetate electrophoresis, starch-gel electrophoresis, and isoelectric focusing

Diagnosis, Protozoa
Lasserre R
1978 Yonsei Rep Trop Med 9 (1) Nov 42-47 Wm
G[iardia] lamblia, humans, diagnosis, associated malnutrition, ornidazole therapy, review

Diagnosis, Protozoa
Lawrence JA
1979 J South African Vet Ass 50 (4) Dec 311-313 Wa
Theileria spp., cattle, differential diagnosis based on serological, morphological, and epidemiological grounds, review: southern Africa

Diagnosis, Protozoa
Leon W et al
1980 Biochim et Biophys Acta 607 (2) Apr 30 221-231 Wa
Trypanosoma cruzi, maxi-circles and mini-circles in kinetoplast DNA; mini-circle digestion patterns may not be stable and reliable criterion for strain characterization

Diagnosis, Protozoa
Le Tan Vinh et al
1980 Semaine Hop Paris 56 (15-16) Apr 18-25 744-750 Wm
Toxoplasma gondii pneumonia, 6-year-old child, case report, fatal generalized infection, anatomo-clinical observations, diagnosis based on bone marrow smear

Diagnosis, Protozoa
Levett PN
1980 Med Lab Sc 37 (1) Jan 85-88 Wa
Trichomonas vaginalis, comparison of five methods for detection in clinical specimens

Diagnosis, Protozoa
Lewis D; Herbert I
1980 Vet Rec 107 (15) Oct 11 352-353 Wa
Babesia motasi, sheep exposed to Haemaphysalis punctata collected from coastal grazing area of North Wales, diagnosis in blood smears and by immunofluorescent antibody test

Diagnosis, Protozoa
Lom J
1969 Folia Parasitol 16 (2) 97-103 Issued June Wa
Myxosporidia, spores, photomicrography, structure of polar filament useful in taxonomy

Diagnosis, Protozoa
Long RG et al
1980 Lancet London (8168) 1 Mar 15 559-562 Wa
Trypanosoma cruzi, humans, assessment of neural and hormonal system by rectal biopsy may be useful in diagnosis

Diagnosis, Protozoa
Losos GJ
1980 Vet Research Commun 4 (3) Nov 165-181 Wa
Trypanosoma evansi, review (epidemiology, diagnosis, clinical signs, pathology, immunology, laboratory animal models, chemotherapy)

Diagnosis, Protozoa
Lumsden WHR et al
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 242-250 Wa
sleeping sickness, human, field diagnosis, miniature anion-exchange/centrifugation technique, comparison with microhaematocrit buffy-coat microscopy method and thick blood film: Ivory Coast

Diagnosis, Protozoa
Luther DG; Cox HU; Nelson WO
1980 Am J Vet Research 41 (12) Dec 2085-2086 Wa
anaplasmosis, comparisons of complement-fixation and card-agglutination tests with calf inoculations for detection of carriers in herd of cattle 15 months after discontinuing vaccination for anaplasmosis

Diagnosis, Protozoa
Maazoun R et al
1981 Ann Parasitol 56 (2) 131-146 Wa
Leishmania infantum, strains from man and dog in France (Cevennes, Cote d'Azur, Corse), Tunisia, and Honduras, enzyme electrophoresis, identical zymograms, differentiation from L. donovani, L. tropica, and L. major

Diagnosis, Protozoa
McDougall IR
1981 Clin Nuclear Med 6 (2) 67-69 Wm
hepatic amoebic abscess, man, case report, diagnosis using In-111-leukocyte scan

Diagnosis, Protozoa
Mackey L; McGregor IA; Lambert PH
1980 Bull World Health Organ 58 (3) 439-444 Wa
Plasmodium falciparum, humans, diagnosis, detection of antigens using a solid-phase radioimmunoassay, highly significant degree of correlation with comparative results of microscopy

Diagnosis, Protozoa
McMahon Pratt D; David JR
1981 Nature London (5816) 291 June 18-24 581-583 Wa
Leishmania braziliensis, L. mexicana, production of monoclonal antibodies specific for these 2 species, assayed for cross-reactivity with Leishmania spp. and Trypanosoma cruzi, should be useful in taxonomic identification of different species of New World leishmaniae as well as for direct diagnosis of leishmaniasis

Diagnosis, Protozoa
Mandal AK; Thadepalli H
1978 Am Surg 44 (9) Sept 564-570 Wm
Entamoeba histolytica, surgical aspects, diagnostic clues

Diagnosis, Protozoa
Marinkelle CJ
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 609-610 Wa
Leishmania, prognostic importance of culturing parasites isolated from patients with cutaneous and mucocutaneous leishmaniasis

Diagnosis, Protozoa
Markiw ME; Wolf K
1980 Canad J Fish and Aquatic Sc 37 (12) Dec 2225-2227 Wa
Myxosoma cerebralis infection in trout, diagnosis, trypsinization of plankton centrifuge harvests increases optical clarity and spore concentration

Diagnosis, Protozoa
Martinez AJ et al
1980 Acta Neuropath Berlin 51 (2) 85-91 Wm
Acanthamoeba sp. causing granulomatous amebic encephalitis, humans, presentation of cerebral mass lesions, clinical and brain biopsy or autopsy findings in 6 cases, emphasis on differential diagnosis

Diagnosis, Protozoa
Martinez AJ; De Jonckheere JF
1981 Bull Inst Pasteur Paris 79 (2) 171-205 Wa
Naegleria fowleri, Acanthamoeba spp., humans, comparative review (morphology, pathology, diagnosis, geographic distribution, morbidity and mortality, symptoms, treatment, pathogenicity)

Diagnosis, Protozoa
Martinucci G; Crespi P
1979 Boll Zool 46 (1-2) 23-39 Wa
Apolocystis sp. trophozoite in Octolasium transpadanum, light and transmission electron microscopy, life cycle, locomotion, endocytosis; role of ultrastructure in monocystid diagnosis

Diagnosis, Protozoa
Marty P et al
1981 Ann Parasitol 56 (4) 363-374 Wa
Pneumocystis carinii, comparison of different methods of identification

Diagnosis, Protozoa
Mas Bakal P; in't Veld N; Piekarski G
1979 Infection 7 (6) 275-278 Wm
Toxoplasma, children, isolation of parasite from pharyngeal and/or palatine tonsils by inoculating the material into mice, in the 1-7 age group all isolates were from boys: The Netherlands

Diagnosis, Protozoa
Mason PR; Forman L
1981 Central African J Med 27 (1) Jan 8-11 Wm
Trichomonas vaginalis, human urogenital infections, comparison of 4 diagnostic culture media

Diagnosis, Protozoa
Medina M et al
1980 Arch Inst Cardiol Mexico 50 (6) Nov-Dec 663-669 Wm
Chagas disease, humans, incipient left ventricular lesions, diagnosis using non-invasive methods (echocardiography, mechanocardiography)

Diagnosis, Protozoa
Medley S
1980 Med J Australia 2 (11) Nov 29 635 Wm
Naegleria fowleri, human amoebic meningitis, possible use of acridine orange for diagnostic purposes (successful trial using positive culture material)

Diagnosis, Protozoa
van der Meer P et al
1981 Vet Quart 3 (2) Apr 61-65 Wa
Theileria species and strains, erythrocytic stage, isoenzyme studies using isoelectric focusing

Diagnosis, Protozoa
Mehlhorn H et al
1979 Tropenmed u Parasitol 30 (3) Sept 289-300 Wa
Blastocrithidia triatomae, developmental stages in Triatoma infestans, electron microscopy, differentiation from Trypanosoma cruzi, 3 main forms of parasite as well as cyst-like bodies observed

Diagnosis, Protozoa
Mehlhorn H; Frenkel JK
1980 J Parasitol 66 (1) Feb 59-67 Wa
Toxoplasma gondii, Sarcocystis muris, Hammondia hammondi, ultrastructural comparison of cysts and zoites in skeletal muscle of mice

Diagnosis, Protozoa
Melrose TR; Brown CGD; Sharma RD
1980 Research Vet Sc 29 (3) Nov 298-304 Wa
Theileria annulata- and T. parva-infected bovine lymphoblastoid cell lines, glucose phosphate isomerase isoenzyme patterns, improved enzyme visualization method using meldola blue, species and strain differences

Diagnosis, Protozoa
Melrose TR; Walker AR; Brown CGD
1981 Trop Animal Health and Prod 13 (2) May 70-78 Wa
Theileria, identification of infections in salivary glands of vector ticks using isoenzyme electrophoresis, clear separation of parasite enzyme from tick salivary gland enzyme, differentiation of isoenzymes between parasite species and strains

Diagnosis, Protozoa
Mierzejewska I et al
1980 Wiadom Lekar 33 (13) July 1 1083-1086 Wm
toxoplasmosis, systemic infections, 3 case reports, diagnostic problems encountered caused delay in establishing treatment, unfavorable sequelae developed

Diagnosis, Protozoa
Miettinen M
1981 Histopathology 5 (2) Mar 205-216 Wm
Toxoplasma, humans, histological diagnosis and differential diagnosis between lymph node toxoplasmosis and other benign lymph node hyperplasias

Diagnosis, Protozoa
Milder JE et al
1980 J Clin Microbiol 11 (4) Apr 409-417 Wa
Pneumocystis carinii in rat bronchial lavage fluid, diagnosis, comparison of histological stains and immunological techniques, cresyl echt violet and indirect fluorescent antibody are preferred techniques

Diagnosis, Protozoa
Miles MA et al
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 221-237 Wa
Trypanosoma cruzi, further enzymic characters, critical assessment of present and prospective value of enzyme electrophoresis for strain identification

Diagnosis, Protozoa
Miles MA et al
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 243-252 Wa
Leishmania mexicana amazonensis, L. hertigi subspp., methods for enzymic characterization, possible use in identification

Diagnosis, Protozoa
Miles MA et al
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 524-529 Wa
Leishmania b. braziliensis, L. b. guyanensis, L. mexicana amazonensis, enzymic profiles, biochemical separation; inability to separate L. b. guyanensis from 4 stocks of L. b. panamensis by electrophoresis of 10 enzymes

Diagnosis, Protozoa
Miles MA et al
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 667-674 Wa
Trypanosoma cruzi, distribution and host associations of zymodemes 1 and 3 in Para State, North Brazil

Diagnosis, Protozoa
Miles MA et al
1981 Lancet London (8234) 1 June 20 1338-1340 Wa
Trypanosoma cruzi, comparison of radically dissimilar enzymic strains (zymodemes Z1, Z2, Z3) from endemic and non-endemic areas of Venezuela and Brazil, findings suggest that these zymodemes may represent subspecific groups of fundamental epidemiological and medical importance

Diagnosis, Protozoa
Monga NK et al
1976 Am J Gastroenterol 66 (4) Oct 366-373 Wm
Entamoeba histolytica, humans, amoebic peritonitis, case studies, diagnosis, pathology, surgical therapy

Diagnosis, Protozoa
Moraleda L; Diaz G; Israel E
1980 Rev Chilena Pediat 51 (1) Jan-Feb 59-60 Wm
Balantidium coli, Trichuris trichiura, mixed infection, 10-year-old boy, clinical course, importance of differential diagnosis of dysenteric syndromes: Mafil, provincia de Valdivia, Chile

Diagnosis, Protozoa
Morel C et al
1980 Proc National Acad Sc Biol Sc 77 (11) Nov 6810-6814 Wa
Trypanosoma cruzi, characterization of strains and clones by pattern of restriction endonuclease products of kinetoplast DNA minicircles, proposal of new terminology to classify hemoflagellates into 'schizodemes'; procedure may also be useful for classification of pathogenic Leishmania

Diagnosis, Protozoa
Morel C; Simpson L
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1070-1074 Wa
Trypanosoma cruzi, characterization of stocks, strains, and clones by restriction endonuclease fingerprinting of kinetoplast DNA minicircles, technique should be useful for other pathogenic Trypanosomatidae

Diagnosis, Protozoa
Morii T et al
1981 Internat J Parasitol 11 (3) June 187-190 Wa
Leucocytozoon caulleryi, chickens, evaluation of immunodiffusion test for epizootiological surveys, comparison with parasitological diagnosis, some data on seasonal incidence in Japan, L. sabrazesi also found in Taiwan: Japan; Taiwan; Philippines; Singapore; Malaysia; Thailand

Diagnosis, Protozoa
Moya PR; Villagra L; Risco J
1979 Rev Fac Cien Med Univ Nac Cordoba 37 (1-4) Jan-Dec 21-27 Wm
Trypanosoma cruzi, human congenital infections, diagnostic anatomopathological findings in the placenta and umbilical cord

Diagnosis, Protozoa
Muehlpfordt H
1981 Ztschr Parasitenk 65 (1) 95-101 Wa
Trypanosoma (Schizotrypanum) spp. derived from bats or Chagasic patients, kinetoplasts, comparative ultrastructure, typical configuration of kDNA makes it possible to distinguish between trypanosomes of Schizotrypanum subgenus and other trypanosomes, but it is not sufficient for characterizing species of that subgenus

Diagnosis, Protozoa
Muhm RL et al
1979 Proc 22 Ann Meet Am Ass Vet Lab Diagn (San Diego California Oct 28-30 1979) 139-146 Wa
Sarcocystis, cattle, case history, diagnosis using immunofluorescence, serology, and histopathology

Diagnosis, Protozoa
Musisi FL et al
1981 Research Vet Sc 30 (1) Jan 38-43 Wa
Theileria lawrencei-, T. parva-, and T. annulata-infected bovine lymphoblastoid cell lines, isoenzyme variants, promising method of distinguishing species or subspecies of Theileria but there are difficulties in identifying host and theilerian enzymes with certainty

Diagnosis, Protozoa
Nicholls JC
1981 Ann Roy Coll Surg England 63 (1) Jan 25-27 Wm
Entamoeba histolytica, humans, pathology and diagnosis of local pattern of this disease process: Seychelles

Diagnosis, Protozoa
Nikulina LS et al
1979 Vrach Delo (7) July 107-111 Wm
acquired toxoplasmosis, industrial workers, diagnosis, evaluation of heart pathology

Diagnosis, Protozoa
Norton CC; Joyner LP
1980 Parasitology 81 (2) Oct 315-323 Wa
Eimeria mivati (including isolate thought at first to be E. mitis), E. acervulina, differentiation on basis of cross-immunity studies and pathogenicity (changes in body weight and oocyst output, distribution in intestine, density of parasites, analysis of villus height and mucosal thickness)

Diagnosis, Protozoa
Norton CC; Joyner LP
1981 Parasitology 83 (2) Oct 269-279 Wa
Eimeria acervulina, E. mivati, 3 strains of each species, comparison of oocyst shape and measurements, life-cycles, and ability to develop in chicken embryo

Diagnosis, Protozoa
Nwafo DC; Egbue MO
1981 Ann Roy Coll Surg England 63 (2) Mar 126-128 Wm
Entamoeba histolytica, humans, intrathoracic manifestations, diagnostic corroborative measures, case reviews

Diagnosis, Protozoa
Osisanya JOS
1981 Med Lab Sc 38 (2) Mar 139-141 Wa
Entamoeba histolytica, isolation and diagnostic cultivation, comparison of 2 methods

Diagnosis, Protozoa
Paul F et al
1981 Lancet London (8237) 2 July 11 70-71 Wa
malaria-infected erythrocytes, separation from whole blood using a selective high-gradient magnetic separation technique, helpful tool for diagnosis, vaccine production, and parasite studies

Diagnosis, Protozoa
Pedro RJ et al
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 130-136 Wm
Toxoplasma gondii, humans with acquired lymphadenopathic involvement, liver biopsy as measure of hepatic injury

Diagnosis, Protozoa
Pedro RJ; Amato Neto V; de Mendonca JS
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 125-129 Wm
toxoplasmosis, humans with acquired lymphoglandular infections, blood changes as measure of hepatic injury, useful in differential diagnosis

Diagnosis, Protozoa
Peirce MA
1980 Parasitology 80 (3) June 551-554 Wa
Eimeria, staining technique for locating sporozoites in both mammlian and avian hosts by demonstrating sporozoite refractile globule

Diagnosis, Protozoa
Pereira Lorenzo A
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 401-409 Wa
Sarcocystis miescheriana, incidence in swine, diagnosis, direct microscopic examination of compressed tissue, pepsin-muscular digestion, and indirect immunofluorescence

Diagnosis, Protozoa
Peters M et al
1979 Tropenmed u Parasitol 30 (4) Dec 409-416 Wa
Entamoeba histolytica, human hepatic abscesses, retrospective clinical evaluation of 27 cases: diagnostic methods, clinical findings, medical vs. surgical therapy

Diagnosis, Protozoa
Peters W et al
1981 Ann Trop Med and Parasitol 75 (2) Apr 247-249 Wa
Leishmania, identity of some stocks isolated in India, isoenzyme characterization, excreted factor serotypes

Diagnosis, Protozoa
Philippe E et al
1979 Nouv Presse Med 8 (6) Feb 3 442 Wm
toxoplasmosis, humans, diagnosis, lymph node biopsy as adjunct to fluorescent antibody test

Diagnosis, Protozoa
Poelzl J
1978 Wien Med Wchnschr 128 suppl 53 1-10 Wm
Trichomonas vaginalis, round forms, diagnosis, staining and phase contrast

Diagnosis, Protozoa
Poisson M et al
1980 Semaine Hop Paris 56 (47-48) Dec 18-Dec 25 1979-1982 Wm
Trypanosoma gambiense, human, differential diagnosis of pseudo-tumoral form using X-ray computed tomography, clinical case report: Port-Gentil, Gabon

Diagnosis, Protozoa
Prat JJ et al
1980 European J Pediat 133 (1) Jan 41-45 Wm
Pneumocystis carinii, immunocompromised children, pneumonia, diagnosis using an endobronchial brushing technique

Diagnosis, Protozoa
Premvati G
1980 Ann Trop Med and Parasitol 74 (2) Apr 257-258 Wa
Leishmania donovani-infected B10.LP-a mice, serum alkaline phosphatase (ALP) activity, results suggest that raised levels of ALP may form basis of useful screening test for human kala-azar

Diagnosis, Protozoa
Raisinghani PM; Lodha KR
1980 Indian Vet J 57 (6) June 579-584 i e 479-484 Wa
Trypanosoma evansi, camels, prognostic value of some haematological and biochemical parameters following treatment with 4 different trypanocides: Bikaner

Diagnosis, Protozoa
Ramasamy R; Jamnadas H; Mutinga MJ
1981 Internat J Parasitol 11 (5) Oct 387-390 Wa
Leishmania promastigotes, proteins and surface proteins, electrophoretic analysis, differences between 2 strains likely to be Leishmania donovani (from kala-azar patient and from Phlebotomus martini) and Leishmania species from P. bedfordi, such differences may provide additional biochemical tools for classifying Leishmania: Kenya

Diagnosis, Protozoa
Rassam MB; Al-Mudhaffar SA
1980 Ann Trop Med and Parasitol 74 (3) June 283-287 Wa
kala azar, children, diagnosis, comparison of bone marrow culture, Ouchterlony double gel diffusion, immunoelectrophoresis, countercurrent immunoelectrophoresis, and micro-ELISA: Iraq

Diagnosis, Protozoa
Rassam MB; Al-Mudhaffar SA; Chance ML
1979 Ann Trop Med and Parasitol 73 (6) Dec 527-534 Wa
Leishmania spp., characterization of visceral and cutaneous stocks according to electrophoretic variation of enzymes: Iraq

Diagnosis, Protozoa
Ready PD; Miles MA
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 238-242 Wa
Trypanosoma cruzi, delimitation of zymodemes by numerical taxonomy

Diagnosis, Protozoa
Rickman L; Kolala F
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 817-819 Wa
Trypanosoma brucei brucei, clones of 3 different isolates, sequential blood incubation infectivity tests on successive variable antigen types, all 3 eventually changed from BIIT-negative to BIIT-positive responses typical of T. rhodesiense coincident with proven changes of VAT

Diagnosis, Protozoa
Rinaldi I; Murphy D
1979 Neurosurgery 5 (5) Nov 607-610 Wm
primary amebic meningoencephalitis with cerebral and cerebellar abscesses, 47-year-old woman, case report, fatal illness; disease pathogenesis, clinical presentations, diagnosis using warm wet microscopic slide presentations, therapy: Virginia

**Diagnosis, Protozoa**
**Rioux JA et al**
**1980 Compt Rend Acad Sc Paris 291 s D Sc Nat (8) Oct 27 701-703 Wa**
**Leishmania infantum identified from 2 human cases of oriental sore on basis of electrophoretic analysis of 8 isoenzymes: Pyrenees Orientales**

Diagnosis, Protozoa
Robinson B et al
1980 South Med J 73 (4) Apr 516-518 Wm
Trypanosoma brucei gambiense, chronic infection, Nigerian student, diagnosed by computerized axial tomography and immunofluorescence: Oklahoma

**Diagnosis, Protozoa**
**Rogers WF et al**
**1980 Am J Roentgenol 135 (6) Dec 1253-1257 Wa**
**Entamoeba histolytica, unusual radiographic manifestations**

Diagnosis, Protozoa
Rohde R
1980 Hautarzt 31 (10) Oct 560-561 Wm
Leishmania tropica, human cutaneous infections, diagnosis, serological and microscopical examination with confirmation by culture

Diagnosis, Protozoa
Rosen PP
1977 Am J Surg Path 1 (1) Mar 79-82 Wm
Pneumocystis carinii pneumonia, humans, management of frozen section lung biopsy taken for diagnostic purposes

Diagnosis, Protozoa
Ross SM; Hoosen AA; Sheik AI
1980 South African Med J 58 (19) Nov 8 757-759 Wm
diagnosis and treatment of vaginal discharge during pregnancy, humans, finding of 'strawberry' vagina was specific for Trichomonas vaginalis, metronidazole highly effective in treating this infection

**Diagnosis, Protozoa**
**Rozen P; Baratz M; Rattan J**
**1981 Dis Colon and Rectum 24 (2) Mar-Apr 127-129 Wm**
**Entamoeba histolytica, humans, case reports, rectal bleeding due to amebic colitis, diagnosed by multiple endoscopic biopsies**

Diagnosis, Protozoa
de Sa MFG et al
1980 J Protozool 27 (3) Aug 253-257 Issued Oct 9 Wa
Crithidia brasiliensis sp. n. from Zelus sp. (alimentary tract contents), isolation and cloning, growth pattern, morphology, biochemical analyses (isoenzyme pattern, histone pattern, cleavage of kDNA with restriction endonucleases): Brasilia, Distrito Federal, Brazil

Diagnosis, Protozoa
Saffouri B et al
1980 J Clin Gastroenterol 2 (2) June 169-171 Wm
Giardia lamblia associated with lymphoid nodular hyperplasia, boy, case report, diagnosed by duodenal aspirate taken during endoscopic examination

**Diagnosis, Protozoa**
**Salazar S, PM et al**
**1979 Prensa Med Mexicana 44 (5-6) May-June 115-120 Wm**
**human chronic Chagasic myocarditis, clinical aspects, radiographic and electrocardiographic diagnosis: Mexico**

Diagnosis, Protozoa
Sampaio RNR et al
1980 An Brasil Dermat 55 (2) Apr-June 69-76 Wm
Leishmania, patients with American mucocutaneous infections, histological and immunological diagnosis, therapy: Sobradinho, Brasilia

**Diagnosis, Protozoa**
**Sanderson A; Walliker D; Molez JF**
**1981 Tr Roy Soc Trop Med and Hyg 75 (2) 263-267 Wa**
**Plasmodium falciparum, enzyme typing of freeze-dried and freshly cultured isolates from African and some other Old World countries**

Diagnosis, Protozoa
Sargeaunt PG et al
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 653-656 Wa
Entamoeba histolytica and other intestinal amoebae isolated from hospital patients, identification by isoenzyme electrophoretic patterns, separation into groups which may indicate pathogenicity: Mexico City

Diagnosis, Protozoa
Sargeaunt PG; Williams JE; Neal RA
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 469-474 Wa
Entamoeba histolytica, 'Entamoeba histolytica-like' amoebae, E. moshkovskii, E. invadens, E. chattoni, grouping according to isoenzyme electrophoretic patterns, E. polecki is indistinguishable from E. histolytica

**Diagnosis, Protozoa**
**Schnur LF et al**
**1981 Ann Trop Med and Parasitol 75 (2) Apr 131-144 Wa**
**Leishmania strains isolated in Old and New World from human visceral cases, dogs, and wild animals thought to be reservoirs of human visceral leishmaniasis, biochemical and serological taxonomy (nuclear and kinetoplast DNA buoyant densities, excreted factor serotypes, and electrophoretic mobilities of enzymes), ability of L. tropica-like organisms to visceralize, non-L. tropica organisms considered as essentially being single complex that is widely distributed in world**

**Diagnosis, Protozoa**
**Shaw JJ; Lainson R**
**1981 Tr Roy Soc Trop Med and Hyg 75 (1) 127 Wa**
**Leishmania braziliensis complex, in vitro cultivation, comparison of different media and different types of overlay. NNN medium as formulated by Walton et al. 1977 remains medium of choice for diagnosis of leishmaniasis by in vitro cultivation technique**

Diagnosis, Protozoa
Sherr HP
1980 Med Times NY 108 (8) Aug 76-89 Wm
persistent diarrhea, causes in humans, includes diagnosis of Giardia using bowel biopsy or new technique called Enterotest

Diagnosis, Protozoa
Shirley MW; Rollinson D
1979 Symposia Brit Soc Parasitol 17 7-30 Wa
Eimeria spp., recognition and characterization of populations, review: established approaches (morphology, site and host specificity, pathogenicity, immunological specificity), new approaches (enzyme electrophoresis, genetic studies, DNA buoyant density analyses)

Diagnosis, Protozoa
Siemes H et al
1980 Klin Paediat 192 (3) May 217-228 Wm
inflammatory diseases of the central nervous system, children, diagnosis, electrophoretic analysis of cerebral spinal fluid proteins, patients with toxoplasmosis have increased gamma-3-globulins

Diagnosis, Protozoa
Silard R et al
1979 Arch Roumaines Path Exper et Microbiol 38 (3-4) July-Dec 359-372 Wa
Dientamoeba fragilis, humans (feces), isolation from pathogen enterobacteria negative clinical cases, mixed infections, differential diagnosis from other intestinal protozoa, morphology, clinical aspects, metronidazole and tetracycline treatment: Romania

Diagnosis, Protozoa
Simmons J; Passon TJ jr
1981 Vet Med and Small Animal Clin 76 (1) Jan 55-56 Wa
Giardia canis, dogs, diagnosis, fecal examination, direct smear method, and trichrome stain

Diagnosis, Protozoa
Skromne-Kadlubik G et al
1980 Bol Med Hosp Inf Mexico 37 (3) May-June 409-412 Wm
Toxoplasma gondii, rats (exper.), diagnosis using indium-113 labelled antibodies; using antibodies labelled with iodine-131 these parasites were destroyed by radiolysis

Diagnosis, Protozoa
Solov'ev MM
1975 Parazitologiia Leningrad 9 (5) Sept-Oct 449-456 Wa
Lamblia spp. of mammals, measurements of mature trophozoites with medial bodies, biometrical indices specific for each species studied, taxonomy of Lamblia discussed

Diagnosis, Protozoa
Spence MR et al
1980 Sex Transmit Dis 7 (4) Oct-Dec 168-171 Wm
Trichomonas vaginalis, female patients attending clinic for treatment of sexually transmitted diseases, comparison of diagnostic methods, Papanicolaou smear most efficient

Diagnosis, Protozoa
Spencer HC et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 63-68 Wa
Entamoeba histolytica, human, serologic and parasitologic studies to examine reliability of diagnosis and confirm estimates of morbidity and mortality: El Salvador

Diagnosis, Protozoa
Stagno S et al
1980 Pediatrics Am Acad Pediat 66 (1) July 56-62 Wa
Pneumocystis carinii pneumonia, immunocompetent infants, diagnosis by counterimmunoelectrophoresis or by open lung biopsy

Diagnosis, Protozoa
Stevens DL et al
1979 Am J Gastroenterol 72 (3) Sept 234-238 Wm
E[ntamoeba] histolytica, Caucasian male, case report, hepatic abscess, nonreactive to immunological tests preoperatively, motile hematophagous trophozoites seen microscopically in scrapings from wall of abscess, postoperative serologic tests were positive

Diagnosis, Protozoa
Stoeckli HR et al
1980 Fortschr Neurol 48 (6) June 303-313 Wm
Toxoplasma gondii, humans with various neurological infections, parasite identified in spinal fluid using indirect immunofluorescence and phase contrast microscopy

Diagnosis, Protozoa
Storch GA et al
1980 Am J Trop Med and Hyg 29 (3) May 456-463 Wa
shigellosis, human, outbreak of diarrheal illness originally attributed to Entamoeba histolytica because fecal leukocytes were being mistaken for amebae: Marshall Islands

Diagnosis, Protozoa
Stradella P; Arrotta U; Rognoni V
1979 Minerva Ginec 31 (12) Dec 917-921 Wm
Trichomonas vaginalis, humans, diagnosis, phase contrast microscopy useful in gynecological and obstetrical colpocytology

Diagnosis, Protozoa
Stratigos JD
1980 Dermatosen Beruf u Umwelt 28 (5) 139-148 Wm
Leishmania tropica, human cutaneous infections, general clinical review, author's diagnostic classification based on histological findings

Diagnosis, Protozoa
Streb H et al
1981 European J Pediat 137 (1) Sept 5-10 Wm
determination of aldolase activity in intestinal biopsy material offers diagnostic alternative to liver biopsy in cases of hereditary fructose intolerance and malabsorption states (includes children with Giardia lamblia)

Diagnosis, Protozoa
Sun T
1980 Am J Surg Path 4 (3) June 265-271 Wm
Giardia lamblia, humans, various diagnostic methods

Diagnosis, Protozoa
Tada S
1980 Rinsho Hoshasen (Japan J Clin Radiol) 25 (4) Apr 511-512 Wm
Pneumocystis carinii, human pneumonia, diagnostic radiography

Diagnosis, Protozoa
Tait A
1981 Molec and Biochem Parasitol 2 (3-4) Feb 205-218 Wa
Plasmodium falciparum, proteins of cultured isolates, labelling with [$^{35}$S]methionine, analysis of variation by two-dimensional gel electrophoresis, technique can be applied to strain typing of malaria parasites

Diagnosis, Protozoa
Takafuji ET et al
1980 Am J Trop Med and Hyg 29 (4) July 516-520 Wa
cutaneous leishmaniasis, occurrence in U.S. Army battalion deployed to Panama Canal Zone for jungle warfare training, medical surveillance program, aspiration cultures of greater value than punch biopsies in confirming early infection, indirect fluorescent antibody and direct agglutination tests useless as diagnostic screening methods in early stages

Diagnosis, Protozoa
Teras IuKh et al
1980 Terap Arkh 52 (3) 123-125 Wm
Trichomonas, detection in bronchi, sputum, and oral cavities of patients with various pulmonary diseases, possible associations

Diagnosis, Protozoa
Thaithong S; Sueblinwong T; Beale GH
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 268-270 Wa
Plasmodium falciparum, enzyme typing of some isolates from Thailand and Cambodia

Diagnosis, Protozoa
Topi GC et al
1978 Med Cutan Ibero-Latino-Am 6 (3-4) 185-192 Wm
Toxoplasma gondii, humans, case reports, chronic prurigo, toxoplasms demonstrated in lesions by means of conventional stains, and by immunofluorescence

Diagnosis, Protozoa
Toro M; Leon E; Lopez R
1981 Vet Parasitol 8 (1) Feb 23-29 Wa
Trypanosoma vivax, cattle (nat. and exper.), diagnosis, haematocrit centrifugation technique compared with wet film, thin and thick stained smears, and lymph node aspirate examination techniques

Diagnosis, Protozoa
Toro Benitez M et al
1979 Acta Cien Venezolana 30 (5) 502-506 Wa
Trypanosoma vivax, cattle (exper.), diagnosis, haematocrit centrifugation technique

Diagnosis, Protozoa
Torruella M et al
1981 Comp Biochem and Physiol 70B (3) 463-468 Wa
Trypanosoma cruzi, 6 stocks, T. rangeli, 3 stocks, glutamate dehydrogenases, proteolytic activities, levels and properties, 3 stocks of T. rangeli were more similar to some T. cruzi stocks than the latter were to each other

Diagnosis, Protozoa
Tyagi SK et al
1980 J Ass Physicians India 28 (12) Dec 515-519 Wm
amoebic pericarditis as a rare but serious complication of amoebic liver abscess, clinical observations, diagnosis, case reviews: India

Diagnosis, Protozoa
Tzipori S et al
1980 N England J Med 303 (14) Oct 2 818 Wa
Cryptosporidium [sp.], man (feces), cause of vomiting and diarrhea, diagnosis by Giemsa-stained fecal smear

Diagnosis, Protozoa
Veress B; Abdalla RE; El Hassan AM
1980 Ann Trop Med and Parasitol 74 (4) Aug 421-426 Wa
Leishmania amastigotes from human mucosal, cutaneous, and visceral infections, statistical-morphometric analysis of certain ultrastructural features, values of measurements corresponded to Leishmania donovani: Sudan

Diagnosis, Protozoa
Verlenden WL III; Frey CF
1980 Am J Surg 140 (1) July 53-59 Wm
amoebiasis, 13 patients with hepatic abscess, predisposing factors, diagnostic findings, importance of diagnosis and surgical intervention

Diagnosis, Protozoa
Visvesvara GS; Healy GR
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 411-412 Wa
Naegleria fowleri, N. gruberi, differences in disc electrophoretic patterns of esterase isoenzymes

Diagnosis, Protozoa
Wachtel EG; Hudson EA
1980 Brit J Hosp Med 23 (3) Mar 256-258 260 262-265 Wm
usefulness of cytology in diagnosing human infections, includes information on amoebiasis, microfilaria, Toxoplasma, schistosomiasis, and Trichomonas vaginalis

Diagnosis, Protozoa
Wahal PK et al
1979 J Indian Med Ass 73 (5-6) Sept 81-83 Wm
malaria, humans with pyrexia, urine urobilinogen estimation as a useful and simple bedside test for diagnosis especially when blood film examination is not possible, is inconclusive, or is negative

Diagnosis, Protozoa
Walker AR; Young AS; Leitch BL
1981 Ztschr Parasitenk 65 (1) 63-69 Wa
Theileria parva in Rhipicephalus appendiculatus collected from two field sites and two experimental sources, diagnosis using salivary gland staining, microscopical examination of whole tick suspensions, and infectivity tests in cattle, feasibility of assessing field infection rates in ticks using combination of diagnostic methods: Kenya

Diagnosis, Protozoa
William DC
1981 Cutis 27 (3) Mar 278-285 Wm
Entamoeba histolytica, Giardia lamblia, humans, growing incidence as sexually transmitted enteric infection, pathogenesis, clinical signs, diagnostic methods, therapy, follow-up management

Diagnosis, Protozoa
Wilson A; Ackers JP
1980 Brit J Vener Dis 56 (1) Feb 46-48 Wm
Trichomonas vaginalis, men, diagnosis using urine culture, not deemed worth routine use

Diagnosis, Protozoa
Ylvisaker JT; McDonald GB
1980 Western J Med 132 (2) Feb 153-157 Wa
Entamoeba histolytica, two homosexual men presenting amebic colitis and liver abscess, diagnostic difficulties, evidence that sexually transmitted amebiasis can be virulent illness

Diagnosis, Protozoa
Young EJ
1980 Hosp Pract 15 (2) Feb 140-148 Wm
Plasmodium species (further identification attempted unsuccessfully), man who had travelled to endemic area, case report, clinical aspects, diagnostic problems: Texas

Diagnosis, Protozoa
Zoch-Zwierz W; Niewiarowska A
1980 Wiadom Lekar 33 (7) Apr 1 565-566 Wm
Toxoplasma gondii, 12-year-old boy, case report, acquired infection with prevailing symptom of jaundice, differential diagnosis

Diagnosis, Trematoda
Abul-Khair MH et al
1980 J Clin Ultrasound 8 (3) June 239-240 Wm
Schistosoma haematobium, human bilharzial scrotal masses, diagnosis using sonography

Diagnosis, Trematoda
Agatsuma T; Suzuki N
1980 Japan J Med Sc and Biol 33 (5) Oct 249-254 Wa
Fasciola sp. from Japan, enzyme electrophoresis

Diagnosis, Trematoda
Al-Ghorab MM; Smith DR
1979 Tr Am Ass Genito-urin Surg 71 70-75 Wm
Schistosoma haematobium, human genitourinary infection, diagnosis, pathology, clinical management, general review

Diagnosis, Trematoda
Atkinson KH
1980 Canad J Genetics and Cytol 22 (1) 143-147 Wa
Schistosoma rodhaini, chromosome analysis, comparison to S. mansoni, distinction of chromosomes of similar species of schistosomes may be important for field identification of parasites and in elucidating evolution of schistosomes

Diagnosis, Trematoda
Badini A
1979 Pathologica (1014) 71 July-Aug 549-554 Wm
Schistosoma haematobium, cutaneous filariasis, humans, 2 brief case reports, histological diagnosis

Diagnosis, Trematoda
Bartoli P
1981 Ztschr Parasitenk 65 (2) 167-180 Wa
Gymnophallus fossarum, G. nereicola, segregation between the 2 sympatric sibling species by life cycle, host specificity, and endemiotope

Diagnosis, Trematoda
Bayssade-Dufour C et al
1980 Ann Parasitol 55 (5) Sept-Oct 553-564 Wa
Fasciola hepatica, ciliated cells and argentophilic structures of miracidium, chaetotoxy of daughter redia and cercaria, comparison with F. gigantica

Diagnosis, Trematoda
Bundy DAP
1981 Internat J Parasitol 11 (4) Aug 319-322 Wa
Transversotrema patialense, egg capsule morphometrics, age-dependency and population frequency distribution, implications for use as taxonomic criterion in Transversotrematidae

Diagnosis, Trematoda
Buzzoni HD; Saad F
1980 Rev Paul Med 96 (3-4) Sept-Oct 79-80 Wm
Schistosoma mansoni, man, testicular schistosomal granuloma, case review, diagnosed by testicular biopsy and histological review: Brazil

Diagnosis, Trematoda
Colin M et al
1980 Ann Dermat et Venereol 107 (8-9) Aug-Sept 759-767 Wm
Schistosoma mansoni, S. haematobium, humans, cutaneous localization, granulomatous papular lesions containing eggs, diagnosis by lesion biopsy and immunofluorescence: endemic areas of Ivory Coast

Diagnosis, Trematoda
Darlak JJ; Moskowitz M; Kattan KP
1980 Radiol Clin North Am 18 (2) Aug 209-219 Wm
parasites and other causes of hepatic calcifications, humans, diagnosis using abdominal ultrasonography, fluoroscopy, or conventional contrast radiography

Diagnosis, Trematoda
Dominques L et al
1980 Rev Inst Med Trop S Paulo 22 (3) May-June 114-117 Wm
S[chistosoma] mansoni, humans, diagnosis, factors that may alter results of Kato-Katz fecal examination

Diagnosis, Trematoda
Dubois G
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 529-536 Wa
importance of post-cercarial larval phases in differential diagnosis in order to subdivide into genera and subgenera of Strigeoidea

Diagnosis, Trematoda
Eisenscher A; Sauget Y
1980 J Radiol 61 (5) May 319-322 Wm
ascariasis, distomiasis, human biliary tract, diagnosis, sonographic patterns

Diagnosis, Trematoda
Ergens R
1978 Vestnik Ceskoslov Spolec Zool 42 (4) Nov 249-254 Wa
Gyrodactylus luciopercae, G. longiradix, morphological and metrical studies of hard parts of opisthaptor, differential diagnosis

Diagnosis, Trematoda
Errasti CA et al
1981 European J Nuclear Med 6 (2) Feb 57-58 Wm
Scintigraphic evaluation of the liver in Fasciola hepatica with radiocolloid and 67Ga-citrate, humans with demonstrated hepatic lesions

Diagnosis, Trematoda
Estrada RV; Mancebo J; Gilsanz V
1980 Actas Urol Espan 4 (2) Mar-Apr 111-114 Wm
S[chistosoma] haematobium, human urinary infections, diagnosis by various radiographic techniques

Diagnosis, Trematoda
Farid M; Saif El-Din S
1975 Ain Shams Med J 26 (4) July 545-547 Wm
Schistosoma mansoni, 23-year-old male, case report, extra genital cutaneous lesion, diagnostic ova found in material removed from lesion, this technique suggested as adjunct to skin biopsy or other diagnostic procedures

Diagnosis, Trematoda
Feldmeier H; Bienzle U; Dietrich M
1979 Tropenmed u Parasitol 30 (4) Dec 417-422 Wa
Schistosoma haematobium, human, filtration-trypan blue-staining-technique is superior to Fuelleborn test as it allows egg quantitation and assessment of viability at same time and provides sensitive tool for diagnosing urogenital schistosomiasis

**Diagnosis, Trematoda**
**Feldmeier H; Horstmann RD**
**1981 Ann Trop Med and Parasitol 75 (4) Aug 463-465 Wm**
**Opisthorchis viverrini, human, diagnosis, technique which permits filtration of duodenal fluid and counting of excreted eggs**

**Diagnosis, Trematoda**
**Fletcher M; LoVerde PT; Kuntz RE**
**1981 J Parasitol 67 (4) Aug 593-595 Wa**
**Schistosoma mansoni, S. rodhaini, adults and cercariae, use of horizontal starch gel electrophoresis to differentiate the two species on basis of differences in mobility of diagnostic enzymes**

Diagnosis, Trematoda
Frost O
1979 Ethiop Med J 17 (3) July 81-83 Wm
schistosomiasis, human cervical infections, diagnostic differentiation from cervical cancers and other cervical pathology, significance of diagnostic awareness in schistosomal endemic areas

Diagnosis, Trematoda
Girardi C et al
1979 Ann Fac Med Vet Torino 26 428-442 Wa
Fasciola hepatica, outbreak in goats, epizootiological aspects, clinical signs, pathology, diagnosis, therapeutic value of niclofolan verified: provincia di Torino

**Diagnosis**, Trematoda
**Goddard MJ**
**1980 Bull World Health Organ 58 (2) 313-320 Wa**
**statistical procedure for quality control in diagnostic laboratories, scheme to assess various indicators of intensity of infection of schistosomiasis haematobium used as example**

Diagnosis, Trematoda
Goff WL; Ronald NC
1980 J Am Vet Med Ass 177 (8) Oct 15 699-700 Wa
Heterobilharzia americana, dogs (exper.) and Procyon lotor, diagnosis using method of processing feces with subsequent hatching of miracidia from eggs, found to be preferable to saline sedimentation: Texas

Diagnosis, Trematoda
Gondo M et al
1979 Neurol Med Chir 19 (12) Dec 1213-1218 Wm
Paragonimus westermani, 8-year-old boy who had eaten wild boar meat, case report, cerebral infections with associated epilepsy and hemiparesis, diagnosis using CT scan, immunoelectrophoresis, and skin tests

Diagnosis, Trematoda
Guelrud M; Beker S
1974 Am J Gastroenterol 62 (6) Dec 504-508 Wm
32 patients with portal hypertension, 20 cirrhosis vs. 12 schistosomal fibrosis, differentiation of these 2 entities by means of wedged hepatic vein angiography

Diagnosis, Trematoda
Iablokov DD; Mosin GP
1980 Klin Med Moskva 58 (1) Jan 25-29 Wm
opisthorchiasis, humans, duodenal ulcer combined with parasitic infections, diagnosis, pathology

**Diagnosis, Trematoda**
**Janson R; Schulz D; Lackner K**
**1981 ROEFO 134 (1) Jan 89-91 Wm**
**schistosomiasis, Libyan woman visiting in Germany, hepatic infection complicated by portal hypertension and esophageal varices, radiologic diagnosis**

Diagnosis, Trematoda
Jaubert D et al
1980 Med Trop 40 (1) Jan-Feb 59-65 Wm
Schistosoma spp., humans, portal hypertension, pathology, clinical features, diagnostic methods, indications for various surgical techniques used to suppress splenomegaly and decrease the portal hypertension

**Diagnosis, Trematoda**
**Kihara S et al**
**1980 Nippon Zyuisi-Kai Zassi (J Japan Vet Med Ass) 33 (2) Feb 65-69 Wa**
**Paragonimus westermani, dogs (exper.) (feces), daily fluctuation in EPG and EPD values, diagnostic significance**

Diagnosis, Trematoda
Krasil'nikov AA
1980 Lab Delo (3) 174-176 Wm
Schistosoma haematobium, humans, diagnosis, comparison of various filtration methods

Diagnosis, Trematoda
Laverdant C et al
1980 Med Trop 40 (3) May-June 251-258 Wm
Schistosoma spp., epidemic in young military personnel, retrospective study of pathology, clinical aspects, diagnostic procedures, therapy: Tchad

Diagnosis, Trematoda
Levine DM; Hillyer GV; Flores SI
1980 Am J Trop Med and Hyg 29 (4) July 602-608 Wa
Fasciola hepatica, mice and rabbits given and not given chemotherapy, diagnosis, comparison of counterelectrophoresis (CEP), enzyme-linked immunosorbent assay (ELISA), and Kato thick-smear stool examinations, ELISA was most sensitive in detecting early infection but CEP was best indicator of chemotherapeutic success

Diagnosis, Trematoda
L'Henaff F et al
1980 Bordeaux Med 13 (4) Feb 10 59-62 Wm
Fasciola hepatica, man, hepatobiliary distomatosis presenting with jaundice, differential radiologic diagnosis, surgical management: France

Diagnosis, Trematoda
Llewellyn J; Macdonald S; Green JE
1980 J Marine Biol Ass United Kingdom 60 (1) 73-79 Issued Feb Wa
Diclidophora esmarkii, D. luscae, fishes, diagnostic comparison of occurrence, body lengths, anatomical features, clamp sizes, and 'gill preference' of parasites on hosts, host-specificity, implications for use as biological tags of fish stocks: Plymouth

Diagnosis, Trematoda
Long EG et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 365-371 Wa
Schistosoma mansoni, human, diagnosis, comparison of sensitivity and specificity of ELISA, radioimmunoassay, and stool examination (Bell filtration technique, Kato thick smear), host age effects: St. Lucia, West Indies

Diagnosis, Trematoda
Megalhaes A
1980 Rev Hosp Clin S Paulo 35 (3) June 94-98 Wm
polyps of the human large intestine, including schistosomal granulomas, correlations between 500 autopsy findings and 776 radiological examinations

Diagnosis, Trematoda
Mitre AI et al
1980 AMB Rev Ass Med Brasil 26 (2) Feb 74-76 Wm
Schistosoma mansoni, man, case report, ectopic infection of bladder presenting as vesicular tumor, diagnosed via endoscopic resection, successfully treated with oxamniquine: Brasil

Diagnosis, Trematoda
Moreto M; Barron J
1980 Gastrointest Endoscopy 26 (4) Nov 147-149 Wm
fascioliasis, humans hepatic infections, diagnosis using laparoscopy

Diagnosis, Trematoda
Murith D
1981 Rev Suisse Zool 88 (2) June 475-533 Wa
polystomes of anuran amphibians, adult morphology, measurements, spp. differentiated using neotenic and larval forms, larval hooklets and chaetotaxy determine taxonomy, species from Ivory Coast compared with those from Togo and Cameroon

Diagnosis, Trematoda
Murith D; Miremad-Gassmann M; Vaucher C
1978 Rev Suisse Zool 85 (3) Sept 681-698 Wa
Polystoma, amphibians, larval posterior hooks

Diagnosis, Trematoda
Nozais JP et al
1980 Bull Soc Path Exot 73 (2) Mar-Apr 155-163 Wa
Paragonimus uterobilateralis, P. africanus, Poikilorchis congolensis, humans, differential diagnosis (keys to adults and eggs), distribution in West Africa, probable first and second intermediate hosts, reservoir hosts, pathologic forms, review

Diagnosis, Trematoda
Omar A; Sherif MA; Chehata O
1975 Ain Shams Med J 26 (4) July 467-472 Wm
bilharziasis, human ureter, pathology, radiologic diagnostic findings

Diagnosis, Trematoda
Owczarek L; Zwozdziak L
1979 Afrique Med (166) 18 Jan 19-21 Wm
schistosomiasis mansoni and intercalatum, humans, serious complications of 292 cases, diagnostic measures: Shaba, Republique du Zaire

Diagnosis, Trematoda
Pascal-Suisse P; Peyron JP; Marbot P
1980 Med Trop 40 (2) Mar-Apr 197-210 Wm
ultrasound, principles, techniques, and application to diagnosis of human tropical diseases and parasitic diseases including echinococcosis and schistosomiasis

Diagnosis, Trematoda
Petrov AM; Davydova IV
1963 Trudy Vsesoiuz Inst Gel'mint 10 15-26 Wa
Paramphistomum, Calicophoron, Cotylophoron, Ceylonocotyle, differential diagnosis

Diagnosis, Trematoda
Pieron R et al
1980 Med Trop 40 (3) May-June 259-264 Wm
Schistosoma haematobium, humans, diagnostic techniques compared (centrifugation of urine, rectal mucosa biopsy, indirect immunofluorescence test)

Diagnosis, Trematoda
Rey JL et al
1979 Afrique Med (166) 18 Jan 13-16 Wm
Schistosoma haematobium, humans, clinical signs, distribution by host age and sex, diagnostic value of different signs: Sahel voltaique

Diagnosis, Trematoda
Saif El-Din S et al
1976 Ain Shams Med J 27 (3-4) May-July 323-330 Wm
schistosomal patients with viral hepatitis vs. non-schistosomal patients with viral hepatitis, diagnostic clinical picture, changes in immunoglobulin levels and Australian antigen levels

Diagnosis, Trematoda
Sakamoto H et al
1980 Bull Fac Agric Kagoshima Univ (30) Mar 117-122 Wa
Eurytrema coelomaticum, cattle, clinicopathological findings, diagnosis, nitroxynil treatment: Kagoshima Prefecture

Diagnosis, Trematoda
Samnaliev P et al
1981 Ann Parasitol 56 (2) 155-166 Wa
Paramphistomum daubneyi, miracidium, redia, cercaria, superficial argentophilic structures, differentiation from P. microbothrium

Diagnosis, Trematoda
Sankale M et al
1979 Bull Soc Path Exot 72 (3) May-June 265-271 Wa
helminthiasis, Europeans returning from tropical areas, evaluation of hypereosinophilia as diagnostic indicator for parasitic diagnostic workup

Diagnosis, Trematoda
Schutte CHJ et al
1980 South African Med J 58 (2) July 12 71-75 Wm
Schistosoma haematobium, Black schoolchildren, diagnosis, sensitivity and specificity of indirect fluorescent antibody test vs. egg output quantitation in urine samples, single urine specimen seemed adequate unless the infection was weak

Diagnosis, Trematoda
Short RB; Grossman AI
1981 J Parasitol 67 (5) Oct 661-671 Wa
Schistosoma mansoni, S. rodhaini, conventional Giemsa and C-banded karyotypes with particular attention to sex chromosomes, differences between species

Diagnosis, Trematoda
Smyth JD
1979 Symposia Brit Soc Parasitol 17 75-101 Wa
possible application of in vitro culture techniques to (a) identification of trematode metacercariae, (b) identification of taeniid eggs, and (c) determination of strain differences in Echinococcus spp.

Diagnosis, Trematoda
Southgate VR et al
1980 Ztschr Parasitenk 63 (3) 241-249 Wa
Schistosoma bovis isolate from Tanzania, egg morphology, snail infection experiments, enzyme types identified by isoelectric focusing, intraspecific variation

Diagnosis, Trematoda
Strauss E et al
1980 Hepato-gastro-enterology 27 (2) Apr 99-103 Wm
schistosomiasis and other hepatic diseases, humans, intra-hepatic percutaneous deposition of radioactive xenon as a means of measuring hepatic blood flow, values of patients with hepatic schistosomiasis were not significantly different from normal values

Diagnosis, Trematoda
Sykes AR; Coop RL; Robinson MG
1980 Research Vet Sc 28 (1) Jan 71-75 Wa
Fasciola hepatica sheep (exper.), chronic subclinical infection, plasma concentrations of some liver enzymes, significance as diagnostic aids

Diagnosis, Trematoda
Tacla M; Bonafe E; Pimentel ERR
1980 Arq Gastroenterol S Paulo 17 ( ) Jan-Mar 21-25 Wm
Schistosoma mansoni, humans, differential diagnosis from Gaucher's disease

Diagnosis, Trematoda
Vives L et al
1980 Nouv Presse Med 9 (1) Jan 5 48 Wm
Fasciola hepatica, man, case report, pyopneumothorax as main presenting symptom: France

Diagnosis, Trematoda
Wachtel EG; Hudson EA
1980 Brit J Hosp Med 23 (3) Mar 256-258 260 262-265 Wm
usefulness of cytology in diagnosing human infections, includes information on amoebiasis, microfilaria, Toxoplasma, schistosomiasis, and Trichomonas vaginalis

Diagnosis, Trematoda
Wiles WA; Wicks ACB; Thomas GE
1980 South African Med J 57 (5) Feb 2 147-150 Wm
peritoneoscopy, rapid diagnosis of human intra-abdominal problems, includes bilharzial fibrosis, particularly useful in developing countries

Diagnosis, Trematoda
Wood PB; Crofts JW
1980 Ann Soc Belge Med Trop 60 (4) Dec 395-403 Wa
differential diagnosis of causes of human gross ascites, includes cases of schistosomal periportal fibrosis: north east Zaire

Diagnosis, Trematoda
Wright CA; Ross GC
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 326-332 Wa
Schistosoma haematobium, S. mattheei, laboratory-bred hybrids, natural hybrids from human infections in Transvaal, biological features, identification by isoelectric focusing of enzymes, possible practical implications

Diagnosis, Trematoda
Zahran MM; Badr MM
1980 Am J Trop Med and Hyg 29 (4) July 576-581 Wa
Schistosoma haematobium, patients with bilharzial uro-obstructive lesions, assessment of renal, ureteral, and bladder functional status by means of Hippuran $I^{131}$ extended renography technique

Diagnosis, Trematoda
Zillmann U; Voelker J
1980 Tropenmed u Parasitol 31 (1) Mar 15-20 Wa
Paragonimus ecuadoriensis, species characterization by isoenzyme electrophoresis, comparison with P. africanus and P. uterobilateralis

Diagnosis, Xenodiagnosis
Abramo Orrego L et al
1980 Medicina Buenos Aires 40 Suppl (1) 56-62 Wm
Trypanosoma cruzi, diagnosis, exper. study comparing various culture methods and xenodiagnosis

Diagnosis, Xenodiagnosis
Barretto AC et al
1981 Rev Inst Med Trop S Paulo 23 (1) Jan-Feb 18-27 Wm
Dipetalogaster maximus (vectors of Trypanosoma cruzi), biology, large scale cultivation, possibly most suitable triatomid for xenodiagnosis

Diagnosis, Xenodiagnosis
Christensen HA; Herrer A
1979 J Med Entom 16 (5) Nov 23 424-427 Wa
Trypanosomatidae from Choloepus hoffmanni, xenodiagnostic feeding trials with Lutzomyia spp., comparison with biopsy-culture technique

Diagnosis, Xenodiagnosis
Corsini AC; Oliveira OLP; Costa MG
1980 Ztschr Parasitenk 64 (1) 85-93 Wa
Trypanosoma cruzi, highly resistant mice, humoral suppression to sheep red blood cells in both acute and chronic stages of infection, importance of timing between infection and antigen presentation, parasitaemia, xenodiagnosis

Diagnosis, Xenodiagnosis
Costa CHN et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 405-408 Wa
Trypanosoma cruzi, human, xenodiagnosis, skin reactions to bites of 2 bug species (Triatoma infestans and Dipetalogaster maxima): Brazil

Diagnosis, Xenodiagnosis
Krampitz HE
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 155-157 Wa
Hepatozoon erhardovae, sexual development in Xenopsylla cheopis (exper.), sporozoite indices in xenodiagnosis

Diagnosis, Xenodiagnosis
Neal RA; de Deffis M; Segura EL
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 550-551 Wa
Trypanosoma cruzi, Triatoma infestans from 2 laboratory colonies, comparison of susceptibility to infection and capacity to reveal very low sub-patent infections by xenodiagnosis

Diapause See Life cycle

Diarrhea
Anderson BC
1981 J Am Vet Med Ass 178 (9) May 1 982-984 Wa
Cryptosporidium-like organisms, diarrheic dairy calves, evaluation of fecal flotation, diagnosis; pattern of shedding oocysts in feces: Idaho

Diarrhea
Angus KW et al
1981 Vet Rec 108 (8) Feb 21 173 Wa
cryptosporidium oocysts and yeasts, cattle, differential diagnosis using Grocott-Gomori methanamine silver stained faecal smears taken during field outbreaks of diarrhoea

Diarrhea
Bergeland ME; Johnson DD; Shave H
1979 Proc 22 Ann Meet Am Ass Vet Lab Diagn (San Diego California Oct 28-30 1979) 131-138 Wa
Cryptosporidia [sp.], diarrheal calves (ileum, feces), monthly incidence, mixed infections (bacteria and viruses), direct smear technique vs. histologic examination, diagnosis: South Dakota; Minnesota; Iowa; Nebraska; North Dakota

Diarrhea
Black RE et al
1980 J Infect Dis 142 (5) Nov 660-664 Wa
enteric pathogens associated with diarrhea, humans, includes Giardia lamblia and Entamoeba histolytica: rural Bangladesh

Diarrhea
Black RE et al
1981 Am J Epidemiol 113 (4) Apr 445-451 Wa
handwashing program for staff and children in day-care centers helps prevent diarrhea resulting from pathogens such as Giardia lamblia

Diarrhea
Brandborg LL et al
1980 Gastroenterology 78 (6) June 1602-1614 Wa
Giardia lamblia, man who had vacationed in Tahiti, case report; discussion of traveler's diarrhea and giardiasis (epidemiology, pathogenesis, diagnosis, asymptomatic infections, pathology, G. muris in mouse model, treatment)

Diarrhea
Castor B
1981 Lakartidningen 78 (10) Mar 4 950-951 Wm
Giardia lamblia, institutionalized mentally retarded tubercular and psychiatric patients with diarrhea, occurrence in 3 institutions, management with tinidazole and improved hygiene: Sweden

Diarrhea
Cooper BT; Hodgson HJF; Chadwick VS
1981 Digestion 21 (2) 115-116 Wa
Hymenolepis nana, young Indian man, 6-month history of diarrhea, dichlorophen therapy resulted in disappearance of symptoms and infestation: England

Diarrhea
Cutting WAM
1979 Ann Soc Belge Med Trop 59 (3) Sept 221-235 Wa
management of diarrhea in children at the primary care or peripheral level, includes mention of Giardia lamblia and Entamoeba histolytica

Diarrhea
Du Pont HL
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 137-140 Wa
travellers' diarrhea, review, Giardia lamblia and Entamoeba histolytica among etiologic agents

Diarrhea
Echeverria P et al
1981 J Infect Dis 143 (6) June 767-771 Wa
travelers' diarrhea, incidence in Peace Corps volunteers, Entamoeba histolytica included as cause: rural Thailand

Diarrhea
Eustis SL; Nelson DT
1981 Vet Path 18 (1) Jan 21-28 Wa
coccidia and their interaction with other pathogens, nursing piglets, enteritis, diarrhea

Diarrhea
Goh KT
1979 Asian J Infect Diseases 3 (2) June 47-56 Wm
epidemiology of diarrhoeal diseases in Singapore, review, includes informaton on Giardia lamblia and Entamoeba histolytica

Diarrhea
Groupe de Travail Scientifique Epidemiologie et Etiologie
1981 Bull World Health Organ 59 (2) 175-187 Wa
parasite-related diarrhea, humans, review of current aspects (epidemiology, diagnosis, pathology, immunology, treatment)

Diarrhea
Hirai K et al
1980 Japan J Vet Sc 42 (5) Oct 615-617 Wa
Giardia [sp.] in Melopsittacus undulatus, outbreak in commercial aviary causing diarrhea, depression, and death, dimetridazole treatment: Aichi Prefecture, Japan

Diarrhea
Ljungstroem I et al
1980 Infect and Immun 30 (3) Dec 734-740 Wa
Trichinella spiralis, mice, effect of parasite infection on intestinal fluid transport in concomitant enterotoxic diarrhea (cholera) and on local and systemic antibody formation to cholera toxin immunization

Diarrhea
McClure HM; Strobert EA; Healy GR
1980 Lab Animal Sc 30 (1) Feb 890-894 Wa
Blastocystis hominis in Macaca nemestrina, chronic diarrhea, cytologic and ultrastructural features comparable to similar organisms reported from man, case report

Diarrhea
Moesgaard F; Steven K; Engbaek K
1981 Acta Med Scand 209 (4) 333-334 Wm
Strongyloides stercoralis, man, case report, associated with severe diarrhea and abnormal colonization of duodenum with Hafnia alvei, both conditions cleared with mebendazole, diagnostic significance of presenting symptoms: Denmark, formerly from Israel

Diarrhea
Monaghan H et al
1980 Arch Dis Childhood 55 (9) Sept 715-716 Wa
Giardia lamblia, infants with diarrhea, incidence by age, sex, and site of infection, responses to metronidazole

Diarrhea
Morin M; Robinson Y; Turgeon D
1980 Canad Vet J 21 (2) Feb 65 Wa
intestinal coccidiosis as cause of baby pig diarrhea

Diarrhea
Munoz C, P et al
1980 Rev Chilena Pediat 51 (6) Nov-Dec 407-410
W[illegible]
enteroparasites (single infections or mixed viral or bacterial infections), young infants, importance as a cause of acute diarrheal syndrome, diagnostic incidence survey shows that Entamoeba histolytica is frequently implicated as a cause and should always be included in differential diagnosis: Chile

Diarrhea
Poelvoorde J; Berghen P
1981 Research Vet Sc 31 (1) July 10-13 Wa
Oesophagostomum dentatum, repeated daily mass infection in pigs fed limited ration, severe diarrhoea and anorexia, average body-weights, blood and plasma analyses, histopathology of ileum, colon, and caecum, number of larvae in incubated and digested tissue and total number of larvae in intestinal lumen

Diarrhea
Roberts L; Walker EJ
1981 Vet Rec 108 (3) Jan 17 62 Wa
Isospora suis and rotavirus as causal agents of diarrhea in unweaned piglets, survey of 9 herds, treatment: north east Scotland

Diarrhea
Ryder RW et al
1981 J Infect Dis 144 (5) Nov 442-448 Wa
travelers' diarrhea in Panamanian tourists, etiologic and epidemiologic survey, includes Giardia lamblia and Entamoeba histolytica: Mexico

Diarrhea
Sherr HP
1980 Med Times NY 108 (8) Aug 76-89 Wm
persistent diarrhea, causes in humans, includes diagnosis of Giardia using bowel biopsy or new technique called Enterotest

Diarrhea
Snodgrass DR et al
1980 Vet Rec 106 (22) May 31 458-460 Wa
cryptosporidia, rotavirus, and Escherichia coli in calves during scour outbreak: Lanarkshire, Scotland

Diarrhea
Stuart BP; Lindsey DS; Ernst JV
1979 Proc 2 Internat Symp Neonatal Diarrhea (Univ Saskatchewan Oct 3-5 1978) 371-380 Wa
coccidia as cause of scours, baby pigs, pathology, amprol, mixed infections with Strongyloides ransomi and other enteropathogens: swine farms, South Georgia

Diarrhea
Tzipori S et al
1980 Infect and Immun 30 (3) Dec 884-886 Wa
Cryptosporidium (isolated from calves with diarrhea) infected (with or without causing enteritis) 7 different species of animals, other isolates (from calves, lamb, adult human) also showed similar lack of host specificity, indirect evidence that cryptosporidiosis should be regarded as potential zoonosis, strong evidence to suggest that Cryptosporidium is single-species genus

Diarrhea
Tzipori S et al
1980 N England J Med 303 (14) Oct 2 818 Wa
Cryptosporidium [sp.], man (feces), cause of vomiting and diarrhea, diagnosis by Giemsa-stained fecal smear

Diarrhea
Tzipori S et al
1980 Vet Rec 107 (25-26) Dec 20-27 579-580 Wa
Cryptosporidium [sp.], suckling calves (nat. and exper.), outbreak of diarrhea

Diarrhea
Tzipori S et al
1981 Am J Vet Research 42 (8) Aug 1400-1404 Wa
Cryptosporidium, calves (exper.), (small and large intestines), diarrhea, histopathology, relationship between age at inoculation, incubation period, and clinical signs of infection

Diarrhea
Tzipori S et al
1981 J Clin Microbiol 14 (1) July 100-105 Wa
Cryptosporidium sp. as cause of diarrhea in artificially-reared lambs (nat.) and specific-pathogen-free lambs (exper.) (small and large intestine, feces of both), clinical manifestations and histopathology, subclinical infections in specific-pathogen-free mice and rats (both exper.) (small intestine and feces of both)

Diarrhea
Tzipori S et al
1981 Infect and Immun 33 (2) Aug 401-406 Wa
Cryptosporidium sp., enterotoxigenic Escherichia coli, rotavirus, lambs (exper.), single and mixed infections, clinical and pathological manifestations, age susceptibility

Diarrhea
Tzipori S et al
1981 J Infect Dis 144 (2) Aug 170-175 Wa
Cryptosporidium [sp.], artificially reared red deer calves (cecum, colon, jejunum, upper and terminal ileum), possible association between severe diarrhea of deer and parasite infection, serological relationship established (by indirect immunofluorescence) between Cryptosporidium isolated from the deer and bovine Cryptosporidium associated with earlier outbreak in suckled beef calves raised at the same research station, deer C. [sp.] also infected new-born specific pathogen-free mice: Scotland

Diet and nutrition [See also Vitamins]

Diet and nutrition, Host
Akpom CA
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 444-446 Wa
Schistosoma mansoni, response induced in normal healthy mice by eggs that were recovered from severely protein-deficient mice, concluded that suppression of host cellular immunity may not be only factor that explains suppression of granulomatous response to eggs in severe protein malnutrition

Diet and nutrition, Host
Alfredsen SA
1980 Vet Rec 107 (8) Aug 23 179-180 Wa
sows fed whey had fewer ascarid eggs in faeces than those given water: southwestern Norway

Diet and nutrition, Host
Anderson RM
1979 20 Symposium Brit Ecol Soc 245-281 Wa
parasites, influence on host survival and reproduction (direct effects, increased susceptibility to predation, reduced competitive fitness), dynamical properties of persistent and transient infection within separate population models, host nutritional status and impact of infection

Diet and nutrition, Host
Attia MES; Fathy IM; Attia AMN
1979 Vet Med J Giza 26 (26) 1978 65-74 Issued Aug 8 Wa
Eimeria tenella, chickens, increased host resistance with vitamin C dietary supplement

Diet and nutrition, Host
Brockelman CR; Sithithavorn P
1980 Ztschr Parasitenk 62 (3) 285-291 Wa
Achatina fulica, carbohydrate reserves and hemolymph sugars in relation to Angiostrongylus cantonensis infection and starvation

Diet and nutrition, Host
Brown KH et al
1980 Am J Clin Nutrition 33 (9) Sept 1975-1982 Wa
Ascaris lumbricoides, children with varying worm burdens, changes in macronutrient absorption from a rice-vegetable diet before and after treatment for parasites, treatment of ascariasis may be nutritionally advantageous for children with heavy worm burdens and marginal protein availability

Diet and nutrition, Host
Butorina TE
1975 Parazitologiia Leningrad 9 (3) May-June 237-246 Wa
parasite fauna of different intraspecific forms of Salvelinus alpinus, dynamics in relation to host age and feeding habits; some observations on life cycle, development, and maturation periods of parasites: Azabach'e lake basin, Kamchatka

Diet and nutrition, Host
Callinan APL
1980 Austral Vet J 56 (10) Oct 484-486 Wa
Linognathus vituli, calves with artificially induced infestations, effects of host nutrition and self-grooming on development and pathogenicity

Diet and nutrition, Host
Carswell F et al
1981 Am J Clin Nutrition 34 (7) July 1292-1299 Wa
parasitic infections, nutritional status, and globulin titers in 2 populations of school children, parasites, notably malaria, are important determinants of serum antibodies in children in the tropics and mild undernutrition probably has little effect: Tanzania

Diet and nutrition, Host
Crompton DWT et al
1981 Internat J Parasitol 11 (6) Dec 457-461 Wa
Moniliformis dubius-infected male and female rats fed on diets containing growth-limiting amounts of fructose, food intake, weight gain, and blood sugar; numbers, sex ratio, dry weight, and location of parasites in small intestine of hosts; results can be interpreted to suggest competition for dietary fructose between parasite and host

Diet and nutrition, Host
Crompton DWT; Hall A
1981 Parasitology 82 (4) July 31-48 Wa
parasitic infection and host nutrition, Workshop Proceedings, 3. European Multicolloquium of Parasitology

Diet and nutrition, Host
Crompton DWT; Walters DE; Arnold S
1981 Parasitology 82 (1) Feb 23-38 Wa
Nippostrongylus brasiliensis-infected protein-malnourished rats, daily food intake and related changes in body weight

Diet and nutrition, Host
Davidson WR et al
1980 J Wildlife Dis 16 (4) Oct 499-508 Wa
Haemonchus contortus in Odocoileus virginianus, monthly (Oct.-Mar.) prevalence and intensity of infection in fawns and adults, haemonchosis /malnutrition syndrome, geographic distribution, worm recovery rates, prepatent periods, and egg production in immunized vs. nonimmunized deer exposed to challenge suggested a naturally-acquired immunity: Georgia; South Carolina; Florida

Diet and nutrition, Host
DeMaeyer EM
1979 Proc Internat Symp Nutritional Problems Childhood (Modena May 5-7 1978) 133-141 Wa
association between human malnutrition and resistance to infection

Diet and nutrition, Host
DeVaney JA et al
1980 Poultry Science 59 (8) Aug 1745-1749 Wa
Ornithonyssus sylviarum, Menacanthus stramineus, 30 strains of egg-type hens, dispersal patterns in poultry house, no indications of host resistance, dietary regimens had no effect on parasite populations

Diet and nutrition, Host
Doube BM; Wharton RH
1980 Experientia 36 (10) Oct 15 1178-1179 Wa
Boophilus microplus, seasonal cycle in expression of acquired resistance in cattle with previous tick experience occurs irrespective of breed and nutritional state, differences in magnitude and timing of cycle between bulls and steers at 1 locality and between steers at 2 localities: Queensland, Australia

Diet and nutrition, Host
Duncombe VM et al
1980 Austral J Exper Biol and Med Sc 58 (1) Feb 19-26 Wa
Giardia muris, mice, effect of iron deficiency, protein deficiency, and dexamethasone on infection, re-infection, and tinidazole treatment

Diet and nutrition, Host
Duncombe VM et al
1981 Am J Clin Nutrition 34 (3) Mar 400-403 Wa
Nippostrongylus brasiliensis-infected rats fed a low protein diet, delayed worm expulsion, syngeneic bone marrow cell transfer from immune or nonimmune donors resulted in accelerated worm expulsion

Diet and nutrition, Host
Edirisinghe JS; Fern EB; Targett GAT
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 591-593 Wa
Plasmodium berghei, rats, development of parasitaemia, effect of varying protein content of diet and protein to energy ratio of diet, results indicate protein restriction can serve to protect host against serious infection

Diet and nutrition, Host
Ette SI; Dickerson JWT
1979 Niger Med J 9 (3) Mar 361-365 Wm
Plasmodium berghei, effect of infection on serum proteins and trace element concentrations in rats offered peasant farmer's (low protein) diet

Diet and nutrition, Host
Ferguson A; Logan RFA; MacDonald TT
1980 Gut 21 (1) Jan 37-43 Wm
Nippostrongylus brasiliensis, Giardia muris, mice on elemental diet, increased mucosal damage during parasite infections

Diet and nutrition, Host
Flavell DJ et al
1980 Acta Trop 37 (4) Dec 337-350 Wa
Opisthorchis viverrini-infected golden hamsters maintained on high and low protein diets, liver histopathology

Diet and nutrition, Host
Forsum E; Nesheim MC; Crompton DWT
1981 Parasitology 83 (3) Dec 497-512 Wa
Ascaris suum, young pigs receiving diets low in protein, effects of infection on growth, food intake, nitrogen and fat utilization, intestinal disaccharidase activity, lactose tolerance, and weight of intestinal tract

Diet and nutrition, Host
Gingrich RE
1980 Vet Parasitol 7 (3) Nov 243-254 Wa
Hypoderma lineatum, cattle, innate and acquired resistance, effects of host age, previous infestation, vitamin A deficiency, route and site of infestation

Diet and nutrition, Host
Haller L; Lauber E
1980 Acta Trop 37 (4) Suppl 11 Dec 63-73 Wa
parasites in school children, influence on growth: Ivory Coast

Diet and nutrition, Host
Haller L; Lauber E
1980 Acta Trop 37 (4) Suppl 11 Dec 110-119 Wa
parasites in school children, relationship to serum levels of vitamins: Ivory Coast

Diet and nutrition, Host
Harlos J; Brust RA; Galloway TD
1980 Canad J Zool 58 (2) Feb 215-220 Wa
Culicimermis sp. reared through 4 successive generations in Aedes vexans, effect of host diet, host sex, and multiple parasitism on size of postparasites, effect of parasitism on ovarian development of host: Manitoba, Canada

Diet and nutrition, Host
Henry FJ
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 507-513 Wa
children studied with regard to anthropometry, intestinal helminths (Ascaris and Trichuris), diarrhea and other illnesses, findings related to different levels of sanitation and water supplies, possibility of malnutrition being secondary to illness rather than primary: St. Lucia, West Indies

Diet and nutrition, Host
Hussein L et al
1981 Nutrition Rep Internat 23 (5) May 901-913 Wa
Giardia lamblia, Ascaris lumbricoides, school children, anemia, effect of low levels of iron supplementation (alone and in combination with anthelmintic treatment) on hemoglobin levels: Kafr-Hifna, Egypt

Diet and nutrition, Host
Kaya HK; Moon RD
1980 Ann Entom Soc Am 73 (5) Sept 547-552 Wa
Heterotylenchus autumnalis development, influence of protein in diet of host, Musca autumnalis

Diet and nutrition, Host
Kistner TP; Wyse D; Schmitz JA
1979 J Wildlife Dis 15 (3) July 419-420 Wa
Nanophyetus salmincola in Felis concolor (small intestine), histopathology, malnutrition as cause of death, first case of pathogenicity attributed to adult trematodes of this species: Lane County, Oregon

Diet and nutrition, Host
Koopman JP; Kennis HM; van der Gulden WJI
1981 Ztschr Versuchstierk 23 (4) 226-230 Wa
influence of composition of host diet on gastro-intestinal colonization resistance against bacteria and Aspiculuris tetraptera in mice

Diet and nutrition, Host
Krishna Das KV
1980 J Ass Physicians India 28 (12) Dec 521-533 Wm
nutritional anaemias, includes helminths as a major cause in children (survey by age groups): India

Diet and nutrition, Host
Lankester MW; Snider JB; Jerrard RE
1979 Canad J Zool 57 (12) Dec 2355-2357 Wa
Paramphistomum cervi, annual maturation in Alces alces, possible influence of host diet

Diet and nutrition, Host
Martin J
1980 Parasitology 80 (1) Feb 39-47 Wa
Nippostrongylus brasiliensis-infected rats maintained on low protein diet, scanning electron microscopy of small intestinal pathology

Diet and nutrition, Host
Martin J
1981 Parasitology 83 (1) Aug 43-50 Wa
Nippostrongylus brasiliensis, acetylcholinesterase activity in male and female worms during course of primary infection in normal and in protein-deficient rats, possible reasons for changes in enzyme production, may be related to immune response

Diet and nutrition, Host
Mascaro-Lazcano MC; Guevara-Pozo D
1977 Rev Iber Parasitol 37 (1-2) Jan-June 73-80 Wa
Trichinella spiralis-infected albino mice, diet deficient in vitamin E had no effect on parasite infestation while diet deficient in pantothenic acid caused adult parasites to remain longer in host intestine

Diet and nutrition, Host
Meakins RH; Harland PSEG; Carswell F
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 731-735 Wa
helminthiasis and malnutrition among schoolchildren, preliminary survey; immediate skin hypersensitivity tests for Ascaris and Schistosoma proved unreliable: Tanzania

Diet and nutrition, Host
Misra A; Katiyar JC; Sen AB
1980 Indian J Exper Biol 18 (8) Aug 906-909 Wa
Nippostrongylus brasiliensis, rats, factors modifying therapeutic efficacy of thiabendazole (worm burden, host resistance, age of parasite, and starvation altered efficacy; host age and weight and concurrent infection with Hymenolepis nana did not)

Diet and nutrition, Host
Murray MJ; Murray AB; Murray NJ
1980 Yale J Biol and Med 53 (4) July-Aug 295-306 Wa
ecological interdependence of diet and disease (including parasitism) in tribal societies which favors survival of man, Western dietary changes may result in intensification of indigenous disease

Diet and nutrition, Host
Noblet GP; Gore TC; Noblet R
1980 J Protozool 27 (2) May 190-192 Issued July 17 Wa
Leucocytozoon smithi, effects of host feeding schedules on diurnal periodicity of gametocytes in peripheral blood of domestic turkeys

Diet and nutrition, Host
Paes RAP; Chieffi PP; d'Andretta Neto C
1979 Rev Inst Adolfo Lutz 39 (2) Dec 171-178 Wa
Strongyloides stercoralis, generalized infestation in children with severe malnutrition, thymus gland atrophy, histopathology, report of 2 fatal cases: Sao Paulo

Diet and nutrition, Host
Parshad VR; Crompton DWT; Nesheim MC
1980 Proc Roy Soc London s B Biol Sc (1175) 209 Aug 13 299-315 Wa
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Diet and nutrition, Host
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1981 J Invert Path 37 (3) May 290-294 Wa
Octomyomermis muspratti, infectivity for Culex pipiens over range of salinities and dilutions of organically rich tree-hole water (comparison with Romanomermis culicivorax), effect of host diet, host density, and worm burden on parasite male-female sex ratios, longevity of laboratory cultures subjected to continual intermittent floodings, advantages of O. muspratti over R. culicivorax as potential biological control agent for mosquitoes

Diet and nutrition, Host
Prasad R et al
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Diet and nutrition, Host
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Diet and nutrition, Host
Prichard RK et al
1981 Austral J Exper Biol and Med Sc 59 (5) Oct 567-573 Wa
Nippostrongylus brasiliensis-infected rats, effect of iron and protein deficiency on plasma levels and parasite uptake of fenbendazole

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Pugh RNH; Burrows JW; Bradley AK
1981 Ann Trop Med and Parasitol 75 (3) June 281-292 Wa
intestinal parasites, human, prevalence and intensity, host age and sex, special emphasis on Schistosoma mansoni, Necator americanus, and Giardia lamblia (possible association of latter with impaired nutritional status and poor water supply): Malumfashi area, Nigeria

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Roberts AB et al
1981 J Trop Pediat 27 (2) Apr 78-82 Wm
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Diet and nutrition, Host
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1980 Am Mid Nat 103 (1) Jan 185-190 Wa
Neascus cuticola on Rhinichthys atratulus (ectoparasitic), no apparent effect on host feeding behavior and food sources exploited; site preference, variation with water temperature and host length: Blind Brook, Westchester Co., N. Y.

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Diet and nutrition, Host
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1980 Ztschr Parasitenk 62 (1) 95-104 Wa
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1980 Poultry Science 59 (4) Apr 697-701 Wa
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Diet and nutrition, Host
Schom C; Novak M; Evans WS
1981 Parasitology 83 (1) Aug 77-90 Wa
Hymenolepis citelli in Tribolium confusum, effect of host starvation prior to infection, parasite population size, host sex, and host genotype on host mortality or survival and on rate of parasite development, evaluation of results from genetic and evolutionary point of view

Diet and nutrition, Host
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1979 Canad J Zool 57 (11) Nov 2128-2135 Wa
Typhlocoelum cucumerinum cymbium, T. c. cucumerinum, prevalence, abundance, and intensity of infection, seasonal, age, and sex differences in wild ducks; positive correlation between infections and occurrence of snails in diet

Diet and nutrition, Host
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1980 Papua N Guinea Med J 23 (3) Sept 132-140 Wm
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Diet and nutrition, Host
Sherif SM et al
1977 Ain Shams Med J 28 (1-2) Jan-Mar 31-45 Wm
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Diet and nutrition, Host
Skorping A
1980 J Fish Biol 16 (5) May 483-492 Wa
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Slingenbergh J; Mohammed AN; Bida SA
1980 Vet Quart 2 (2) Apr 90-94 Wa
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Diet and nutrition, Host
Sneller VP; Dadd RH
1981 Exper Parasitol 51 (2) Apr 169-174 Wa
Brugia pahangi, development in Aedes aegypti reared axenically on defined synthetic diet vs. in conventionally reared A. aegypti

Diet and nutrition, Host
Sneller VP; Dadd RH
1981 Exper Parasitol 51 (3) June 335-340 Wa
Brugia pahangi, growth and development improvement with lecithin in diet of axenically reared hosts, Aedes aegypti

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1980 Paediat Indonesiana 20 (1-2) Jan-Feb 7-13 Wm
Giardia lamblia, children with protein calorie malnutrition, results of lipiodol absorption test show that the lower the nutritional status the higher the risk of Giardia infection: Yogyakarta

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Sood ML; Dang HR
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Diplotriaena bhamoensis in Acridotheres tristis, A. ginginianus, intensity of infection in relation to host sex, diet, and season

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Stephenson LS
1980 Parasitology 81 (1) Aug 221-233 Wa
Ascaris lumbricoides, contribution to malnutrition in children, review with recommendations for further research and for control of ascariasis

Diet and nutrition, Host
Stephenson LS et al
1980 Exper Parasitol 49 (1) Feb 15-25  Wa
Ascaris suum-infected young pigs, nutrient (protein and fat) absorption, growth, and intestinal pathology

Diet and nutrition, Host
Stephenson LS et al
1980 Am J Clin Nutrition 33 (5) May 1165-1172  Wa
Ascaris lumbricoides-infected pre-school children, even light infections may adversely influence nutritional status and deworming may enhance growth:  Kenya

Diet and nutrition, Host
Sykes AR; Coop RL; Rushton B
1980 Research Vet Sc 28 (1) Jan 63-70  Wa
Fasciola hepatica, sheep (exper.), chronic subclinical infection, effects on food intake, food utilisation and blood constituents

Diet and nutrition, Host
Symons LEA; Hennessy DR
1981 Internat J Parasitol 11 (1) Feb 55-58  Wa
Trichostrongylus colubriformis-infected sheep, anorexia may be due to or mediated by higher plasma concentrations of cholecystokinin

Diet and nutrition, Host
Symons LEA; Steel JW; Jones WO
1981 Austral J Agric Research 32 (1) 139-148  Wa
Ostertagia circumcincta, lambs (exper.), effects of level of larval intake on productivity and physiological and metabolic responses

Diet and nutrition, Host
Turner KJ; Sumarmo; Sutejo
1978 Asian J Infect Dis 2 (3) Sept 193-203  Wm
The influence of parasitism on the expression of immediate-type hypersensitivity reactions and serum immunoglobulin levels in malnourished children

Diet and nutrition, Host
Valtonen ET
1980 J Fish Biol 17 (1) July 1-8  Wa
Metechinorhynchus salmonis in Coregonus lavaretus, incidence of infection and host diet: Bothnian Bay

Diet and nutrition, Host
Vinayak VK et al
1981 Ann Trop Med and Parasitol 75 (4) Aug 397-400  Wm
Entamoeba histolytica, rats fed low protein diet were more susceptible to infection and had severe caecal lesions compared with controls, hepatic lesions seen in one animal fed low protein diet for 14 days, malnourished rats had lower indirect haemagglutinating antibody titres than controls

Diet and nutrition, Host
Walzer PD et al
1980 Infect and Immun 27 (3) Mar 928-937  Wa
Pneumocystis carinii infection in rats administered corticosteroids and low-protein diet, clinical course, parasite growth characteristics, quantitation of cysts, correlation with histopathology, long-term effects in host after steroid dose has been tapered

Diet and nutrition, Host
Wilgus HS
1980 Poultry Science 59 (4) Apr 772-781  Wa
interactions between vitamins and viral, bacterial, and parasitic diseases in poultry, review, practical implications

Diet and nutrition, Host
Willis GM; Baker DH
1981 J Nutrition 111 (7) 1157-1163  Wa
Eimeria acervulina-infected chicks (exper.) fed diets deficient in amino acid had increased rate and efficiency of weight gain while those fed adequate diets had expected severe growth depression, response resulted from parasitic infection per se and not from components of inoculum

Diet and nutrition, Host
Wilson AJ
1979 J South African Vet Ass 50 (4) Dec 293-295  Wm
Anaplasma marginale, Bos indicus (nat. and exper.), effect of host nutrition, breed, and age on pathogenesis of anaplasmosis, natural transmission in endemic areas indicated that introduced cattle should not adversely affect enzootic stability:  north Queensland

Diet and nutrition, Host
Wilson D et al
1980 Rev Saude Pub S Paulo 14 (3) Sept 300-309  Wm
nutritional status and intestinal parasites, homeless children living in institution, survey, most had evidence of poor nutrition and many had high incidence of Hymenolepis nana (one of highest on record in Brazilian literature):  Sao Paulo State, Brazil

Diet and nutrition, Parasite
Adams TS; Holt GG; Sundet WD
1979 J Med Entom 15 (2) Feb 8 124-131  Wa
Cochliomyia hominivorax females, olfactometer bioassay for study of screwworm attractants, physical and physiological conditions that influence attraction, effect of diet on attractancy

Diet and nutrition, Parasite
Avila JL; Avila A
1981 Exper Parasitol 51 (3) June 318-324  Wa
Trypanosoma cruzi, nucleotide and vitamin requirements of growing epimastigotes assessed using defined culture medium

Diet and nutrition, Parasite
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1981 Biochemistry of parasitic helminths  308 pp
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Bienen EJ; Hammadi E; Hill GC
1981 Exper Parasitol 51 (3) June 408-417  Wa
Trypanosoma brucei brucei, reproducible in vitro system for study of transformation of bloodstream- to procyclic-trypomastigotes, morphological changes, nutritional requirements, respiration

Diet and nutrition, Parasite
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1980 J Neurocytol 9 (3) June 343-362  Wm
Boophilus microplus, changes in glycogen levels in perineurial cells during feeding, suggests that major function of these cells is trophic, ultrastructural study of perineurial and glial cells

Diet and nutrition, Parasite
Bogitsh BJ
[1980] J Parasitol 65 (6) Dec 1979 964-966 Issued Apr 2 Wa
Schistosoma mansoni, in vitro effects of actinomycin-D on gastrodermis of schistosomules, treated schistosomules were incapable of ingesting red blood cells

Diet and nutrition, Parasite
Chen SN; Howells RE
1981 Exper Parasitol 51 (2) Apr 296-306 Wa
Brugia pahangi, uptake and incorporation of nucleic acid precursors by microfilariae and macrofilariae in vitro

Diet and nutrition, Parasite
Cornford EM; Bocash WD; Oldendorf WH
1981 J Parasitol 67 (1) Feb 24-30 Wa
Schistosomatium douthitti, transintegumental glucose uptake in male and female worms, possible implications for male-female nutritional relationships

Diet and nutrition, Parasite
Crompton DWT; Hall A
1981 Parasitology 82 (4) July 31-48 Wa
parasitic infection and host nutrition, Workshop Proceedings, 3. European Multicolloquium of Parasitology

Diet and nutrition, Parasite
Guenther PE; Barker DM; Sauer JR
1980 Ann Entom Soc Am 73 (4) July 15 485-488 Wa
Amblyomma maculatum, sheep (exper.), whole body water and concentrations of sodium and chloride in whole tick, gut content, hemolymph, and saliva of pre-fed and engorging females measured, comparison with published results for A. americanum; A. maculatum may imbibe considerable non-whole blood tissue while feeding on sheep

Diet and nutrition, Parasite
Hart DT; Vickerman K; Coombs GH
1981 Parasitology 83 (3) Dec 529-541 Wa
Leishmania mexicana mexicana, in vitro transformation of amastigotes to promastigotes, quantitative morphological and biochemical studies, nutritional requirements and effects of metabolic inhibitors and anti-protozoal drugs

Diet and nutrition, Parasite
Howells RE; Chen SN
1981 Exper Parasitol 51 (1) Feb 42-58 Wa
Brugia pahangi, transcuticular uptake of D-glucose, L-leucine, and adenosine in vitro, no evidence for oral ingestion of materials in vitro but oral uptake of Trypan blue demonstrated in vivo, ultrastructure and cytochemical staining reactions for enzymes of gut and body wall

Diet and nutrition, Parasite
Kamala Bai M; Prasad RS
1979 J Med Entom 16 (2) Sept 28 164-165 Wa
Xenopsylla cheopis, X. astia, influence of nutrition and feeding stimulus on maturation of males

Diet and nutrition, Parasite
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 15 (3) Mar 23 187-217 Wa
Tunga monositus on Mus musculus (skin of ear pinna) (exper.), detailed description of feeding behavior and diet, histological study of embedded fleas, development of female on host, dependence on host inflammatory and repair response for survival and reproduction

Diet and nutrition, Parasite
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 16 (2) Sept 28 85-94 Wa
Tunga monositus on laboratory Peromyscus maniculatus (ear pinna) wild-caught from 2 localities, feeding behavior, cell intake, and neosomy, histological examination of sequential serial sections, comparison with findings from Mus musculus

Diet and nutrition, Parasite
Linstead D
1981 Parasitology 83 (1) Aug 125-137 Wa
Trichomonas vaginalis, new defined and semi-defined media for cultivation, preliminary nutritional studies using new media

Diet and nutrition, Parasite
Manaia AC; et al
1981 J Protozool 28 (1) Feb 124-126 Issued June 18 Wa
Leptomonas lactosovorans n. sp. from Zelurus martinisi (midgut), growth in defined medium, nutritional requirements, utilization of lactose as carbon source is unique among trypanosomatids: Goiania, state of Goias, Brazil

Diet and nutrition, Parasite
Mango CKA; Galun R
1977 J Med Entom 14 (3) Nov 30 305-308 Wa
Ornithodoros moubata, suitability of laboratory hosts for rearing, chickens and rabbits superior to rats and guinea pigs, comparison with field-collected ticks from warthog burrows indicates there are missing factors in diet of laboratory-fed ticks

Diet and nutrition, Parasite
Meng YC et al
1980 Acta Entom Sinica 23 (1) Feb 9-15 Wa
Haemolaelaps glasgowi and Eulaelaps stabularis, counter immunoelectrophoresis to determine feeding patterns and identify nature of ingested blood

Diet and nutrition, Parasite
Ngimbi NP et al
1979 Ann Soc Belge Med Trop 59 (3) Sept 237-250 Wa
Plasmodium berghei, sporozoites used for laboratory studies, survival and infectivity dependent on such factors as culture medium, temperature in culture or in vector salivary glands, route of inoculation into laboratory animals

Diet and nutrition, Parasite
Roitman I
1980 Trop Dis Research Ser (3) 247-248 Wm
Trypanosoma cruzi, nutritional requirements in vitro, workshop presentation

**Diet and nutrition, Parasite**
**Sulgostowska T**
**1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 65-69 Wa**
**Neoaplectana carpocapsae, transformation of non-invasive larvae into inhibited invasive larvae both inside and outside insect hosts, exhaustion of food resources in habitat is chief factor**

Diet and nutrition, Parasite
Warren-Hicks WJ; Schroder GD; Bigelow RH
1979 J Med Entom 16 (5) Nov 23 432-436 Wa
Xenopsylla cheopis fed on laboratory rats injected with iron-59 citrate, uptake and retention of radioisotope tag, influence of sex of fleas, exposure level, and subsequent blood meals

**Diet and nutrition, Parasite**
**Weik RR; Reeves RE**
**1980 Am J Trop Med and Hyg 29 (6) Nov 1201-1204 Wa**
**Entamoeba histolytica, niacin requirement for cultivation of axenic amebae**

Diet and nutrition, Parasite
Wright FC; DeLoach JR
1980 J Med Entom 17 (2) Mar 31 186-187 Wa
Psoroptes cuniculi, rabbits (exper.), feeding monitored by $^{51}$Cr-labeled hemoglobin, data suggest that mites penetrate capillaries and ingest intact erythrocytes

Diet and nutrition, Parasite
Wrona FJ; Davies RW; Linton L
1979 Canad J Zool 57 (11) Nov 2136-2142 Wa
Glossiphonia complanata, analysis of food niche, serological techniques, examination of prey utilization with respect to field range, seasonality, and weight (size-age) differences

**Digestion, Host**
**Gass RF**
**1977 Acta Trop 34 (2) June 127-140 Wa**
**Plasmodium gallinaceum in Aedes aegypti given 2 consecutive blood meals, oocyst production inhibited or enhanced depending on timing of blood meals, results explained by action of host trypsin-like proteases on parasites, plasmodia 0-10 hours after blood meal are more sensitive to enzymes than later stages of parasite, suggests developmental adaptation of parasite to host's digestive processes**

**Digestion, Host**
**Hale OM et al**
**1981 J Animal Sc 52 (2) 316-322 Wa**
**Oesophagostomum quadrispinulatum, O. dentatum, pigs (exper.), effect of different levels of infection on weight gain, digestion, and absorption of nutrients**

**Digestion, Host**
**Randall RW; Gibbs HC**
**1981 Am J Vet Research 42 (10) Oct 1730-1734 Wa**
**Ostertagia ostertagi, Cooperia oncophora, calves (exper.), effects of clinical and subclinical disease on digestion and energy metabolism, results indicate that low levels of parasitism could result in appreciable production losses in young animals under grazing conditions in Maine**

Digestion, Host
Steel JW; Symons LEA; Jones WO
1980 Austral J Agric Research 31 (4) July 821-838 Wa
Trichostrongylus colubriformis-infected lambs, interrelationships between level of exposure to worms, production loss (liveweight gain, wool growth), and host physiological and metabolic changes associated with disease development

**Digestion, Host**
**Symons LEA; Steel JW; Jones WO**
**1981 Austral J Agric Research 32 (1) 139-148 Wa**
**Ostertagia circumcincta, lambs (exper.), effects of level of larval intake on productivity and physiological and metabolic responses**

Digestion, Parasite
Bogitsh BJ
[1980] J Parasitol 65 (6) Dec 1979 964-966 Issued Apr 2 Wa
Schistosoma mansoni, in vitro effects of actinomycin-D on gastrodermis of schistosomules, treated schistosomules were incapable of ingesting red blood cells

**Digestion, Parasite**
**Pappas PW**
**1980 Ohio State Univ Biosc Colloq (5) 145-172 Wm; Wa**
**enzyme interactions at host-parasite interface, review**

Digestion, Parasite
Steiger RF; Opperdoes FR; Bontemps J
1980 European J Biochem 105 (1) Mar 17 163-175 Wa
Trypanosoma brucei bloodstream forms, subcellular fractionation with reference to enzymes as potential markers representative of different subcellular components with special emphasis on digestive system in order to provide baseline for evaluation of endocytotic and digestive capacity

Digestive system [See also Biliary tract; Esophagus; Intestine; Pancreas; Stomach]

Digestive system, Host
Marsden PD et al
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 651-655 Wa
Trypanosoma cruzi, mice, attempts to produce megasyndrome using stocks of parasite associated with megaoesophagus in man, evidence of stomach dilatation and delay in intestinal transit time

**Digestive system, Host**
**Stringfellow F; Madden PA**
**1979 Proc Helminth Soc Washington 46 (2) July 233-239 Issued Aug 14 Wa**
**Ostertagia ostertagi, calves (exper.), effects on chief cell pepsinogen granules from calf abomasa, correlation with selected plasma and abomasal proteins; horseradish peroxidase as tracer for vascular leakage, results imply that chief cell pepsinogen was released directly into the circulation (giving abnormally high plasma values) rather than taken up from the gastric contents through a damaged vasculature**

Digestive system, Parasite
Luetzen J; Nielsen K
1975 Vidensk Medd Dansk Naturh Forening 138 Dec 171-199 Wa
Echineulima spp., sea urchins, mode of attachment, structure of alimentary tract, proboscideal movements and feeding, reproductive organs, oviposition, possible hermaphroditism, sporozoans found in E. mittrei (mantle and digestive glands)

Dimorphism [See also Morphology; Polymorphism]

**Dimorphism**
**Jouvenaz DP; Lofgren CS; Allen GE**
**1981 J Invert Path 37 (3) May 265-268 Wa**
**Burenella dimorpha in Solenopsis geminata (exper.), development, infectivity, and mode of transmission of 2 morphologically distinct spores, results verify this microsporidium as a dimorphic species**

Disease models, Animal See Technique, Experimental hosts

Disease transmission [See also Epidemiology; Foci; Occupational diseases; Reservoir hosts; Sanitation and hygiene; Vectors]

**Disease transmission**
**Doncaster CC**
**1981 Parasitology 82 (3) June 421-428 Wa**
**Dictyocaulus viviparus infective juveniles, relationships with coprophilous fungi, fungus apparently provides nematode requirements for survival and dispersal**

Disease transmission
Sinha RP; Prasad RS
1980 Indian Vet J 57 (10) Oct 865-866 Wa
Sarcoptes scabei, goats, severe outbreak of mange, savlon shampoo and malathion treatment, transmission of mites to pigs maintained in same yard non-specific, possibly through indirect sources: Ranchi, India

Disease transmission, Acarina See Vectors, Acarina

Disease transmission, Animal to animal [See also Disease transmission, Venereal]

**Disease transmission, Animal to animal**
**Dipeolu OO; Akinboade OA; Adetunji A**
**1981 Vet Parasitol 8 (4) Sept 337-339 Wa**
**Anaplasma marginale, experimental transmission from naturally infected Cricetomys gambianus to splenectomized calf, possible significance of C. gambianus as reservoir host: Nigeria**

Disease transmission, Animal to animal
Dubey JP; Williams CSF
1980 Parasitology 81 (1) Aug 123-127 Wa
Hammondia heydorni, isolation of oocysts from dogs fed skeletal muscle from naturally infected moose and goat, cross-transmission in goats, sheep, dogs, and coyotes

Disease transmission, Animal to animal
Duewel D
1980 Ztschr Parasitenk 63 (2) 137-143 Wa
Fasciola hepatica, passage through sheep and Oryctolagus cuniculus, exposure to Lymnaea tomentosa with resulting number and motility of encysted metacercariae, infectivity to rats, sheep, and rabbits; results indicate that development of Fasciola is impaired in various phases after rabbit passage and that rabbits play only minor role in epidemiology

Disease transmission, Animal to animal
Fisher WF; Miller RW; Everett AL
1980 Vet Parasitol 7 (3) Nov 233-241 Wa
Demodex bovis, dairy cattle, natural transmission, calves can acquire mites from infested dam in 0.5 day, sibling cattle from infested dam do not always become infested

Disease transmission, Animal to animal
Foreyt WJ; Foreyt KM
1981 J Parasitol 67 (2) Apr 284-286 Wa
Oslerus osleri (= Filaroides osleri) of coyote origin, successful direct experimental transmission to coyotes but not to domestic dogs, suggests that wild coyote populations do not serve as effective reservoir for infections in domestic dogs; results of experiments with rats to determine possible role of rodents as transport or paratenic hosts were inconclusive

**Disease transmission, Animal to animal**
**Foreyt WJ; Hunter RL**
**1980 Am J Vet Research 41 (9) Sept 1531-1532 Wa**
**Fascioloides magna, clinical outbreak in sheep on pasture shared by Odocoileus virginianus leucurus and Lymnaea palustris: near Westport, Oregon**

Disease transmission, Animal to animal
Gajanana A; Naseema M
1980 Indian J Med Research 72 Oct 492-496 Wa
Plasmodium relictum and species resembling P. hexamerium in Ploceus philippinus, laboratory transmission to other avian hosts and selected mosquito species: [India]

Disease transmission, Animal to animal
Holliman RB; Meade BJ
1980 J Wildlife Dis 16 (2) Apr 205-207 Wa
Trichinella spiralis in wild-trapped rodents, possible zoonotic relationship between wild rodent and swine trichinosis: Henrico County, Virginia

**Disease transmission, Animal to animal**
**Hutchison WM; Aitken PP; Wells BWP**
**1980 Ann Trop Med and Parasitol 74 (2) Apr 145-150 Wa**
**Toxoplasma gondii, mice, behavioral effects of infection, infected mice may be less responsive to novel stimuli and thus more likely to be taken by predators**

**Disease transmission, Animal to animal**
**Jouvenaz DP; Lofgren CS; Allen GE**
**1981 J Invert Path 37 (3) May 265-268 Wa**
**Burenella dimorpha in Solenopsis geminata (exper.), development, infectivity, and mode of transmission of 2 morphologically distinct spores, results verify this microsporidium as a dimorphic species**

Disease transmission, Animal to animal
Kotrla B; Kotrly A
1980 Ang Parasitol 21 (2) May 79-82 Wa
helminths, transmission among native and imported game animals, influence of external environmental conditions (changes in intermediate and definitive hosts, climate, etc.) on various morphological and metrical changes of parasite, possible taxonomic problems, review: Bohemia and Moravia, Czechoslovakia

Disease transmission, Animal to animal
Kummel BA; Estes SA; Arlian LG
1980 J Am Vet Med Ass 177 (9) Nov 1 903-908 Wa
Trixacarus caviae in Cavia porcellus (skin) (nat. and exper.), clinical signs, development of 'scabies-like' condition in 1 of 2 owners, case report; transmission studies from diseased to healthy guinea pigs; morphologic comparison of T. caviae and Sarcoptes scabiei; reported successful treatments; possible model for study of scabies in man and other animals

Disease transmission, Animal to animal
McGhee MB et al
1981 J Wildlife Dis 17 (3) July 353-364 Wa
Haemonchus contortus derived from white-tailed deer and cattle, relative pathogenicity and infectivity for white-tailed deer, cattle, and domestic sheep (all exper.), morphometric comparisons of nematodes of cattle and deer origin, results suggest that cross-transmission occurs between deer and domestic livestock

Disease transmission, Animal to animal
Mason CA; Norval RAI
1981 Vet Parasitol 8 (2) May 185-188 Wa
Boophilus microplus, transfer of larvae and adult male ticks from infested to uninfested cattle under field conditions, role of host-to-host transfers in transmission and epidemiology of anaplasmosis and babesiosis

Disease transmission, Animal to animal
Mason RW
1980 Ztschr Parasitenk 61 (2) 173-178 Wa
oocysts detected in feces of cat fed locally caught Rattus norvegicus were morphologically similar to Besnoitia wallacei, development of Besnoitia cysts in experimentally infected mice and rats, mouse to cat to mouse transmission, attempted transmission between intermediate hosts and between cats

Disease transmission, Animal to animal
Mattern CFT; Daniel WA
[1981] J Protozool 27 (4) Nov 1980 435-439
Issued Mar 11 Wa
Tritrichomonas muris, pseudocysts, ultrastructure, excretion in feces of hamster mothers, probable role in infection of newborn hamsters

Disease transmission, Animal to animal
Mitchell GBB; Linklater KA
1980 Vet Rec 107 (3) July 19 70 Wa
Ascaris spp., presence of eggs in pigs (faeces) and in soil samples, rotational grazing as probable source of infection for sheep with liver lesions

Disease transmission, Animal to animal
Moon HW; Bemrick WJ
1981 Vet Path 18 (2) Mar 248-255 Wa
Cryptosporidium, fecal transmission between calves and pigs, histopathology

Disease transmission, Animal to animal
Munday BL; Smith DD; Frenkel JK
1980 J Wildlife Dis 16 (2) Apr 201-204 Wa
Sarcocystis cuniculi, presence of sarcocysts in Oryctolagus cuniculus after dosing with cat-derived sporocysts, subsequent transmission to cats, infected rabbit muscle did not infect other rabbits, cat confirmed as definitive host; morphological comparison of O. cuniculi sarcocysts with those from Sylvilagus floridanus, latter sarcocysts retained as Sarcocystis leporum until more definitive data are available

Disease transmission, Animal to animal
Preston JM et al
1979 J Wildlife Dis 15 (3) July 399-404 Wa
gastro-intestinal nematodes, Ovis aries, Gazella thomsonii, experimental cross-transmission

Disease transmission, Animal to animal
Prestwood AK
1980 Sludge--Health Risks Land Appl 201-212 Wa
role of wildlife in transmission of parasites, bacteria, and toxic chemicals from sludge-amended land to man, domestic animals, and other wildlife, review

Disease transmission, Animal to animal
Renshaw HW; Magonigle RA; Vaughn HW
1979 J Wildlife Dis 15 (3) July 379-386 Wa
Anaplasma marginale in Cervus canadensis canadensis following inoculation with infected fresh bovine blood, hematologic, serologic, and clinical studies, evaluation of rapid card agglutination test, subsequent transmission to splenectomized bovine calves; failure to infect elk using frozen blood from known bovine carriers

Disease transmission, Animal to animal
Richardson JA et al
1980 Avian Dis 24 (2) Apr-June 498-503 Wa
Baylisascaris procyonis in chickens (brain), verminous encephalitis, case report, treated with piperazine; worm eggs isolated from feces of Procyon lotor living in straw mow where litter for chickens was stored

Disease transmission, Animal to animal
Rose JH; Small AJ
1980 Vet Rec 107 (10) Sept 6 223-225 Wa
Oesophagostomum spp., sows kept on pastures, transmission over 2-year period, monthly distribution of worm eggs in faeces, larvae on herbage, and worms recovered post-mortem, effects of climatic factors on survival and development of infective larvae, transitory effect of anthelmintics on level of infection: commercial farm, southern England

Disease transmission, Animal to animal
Ross CR et al
1980 Lab Animal Sc 30 (1) Feb 35-37 Wa
Syphacia muris, experimental transmission among rats, mice, Mongolian gerbils, and Syrian hamsters

Disease transmission, Animal to animal
Samuel WM
1981 J Wildlife Dis 17 (3) July 343-347 Wa
Sarcoptes scabiei from Canis latrans, Vulpes vulpes, and Canis lupus, attempted experimental transmission to coyotes, dogs, and coyote-dog hybrids, four suspected human cases resulted from handling infested coyotes

Disease transmission, Animal to animal
Sasaki Y et al
1980 Nippon Zyuisi-Kai Zassi (J Japan Vet Med Ass) 33 (9) Sept 438-441 Wa
toxoplasmosis, outbreak in swine and wild boars, soil contaminated with feline excreta containing Toxoplasma oocysts was confirmed as source of infection by using same soil to experimentally infect pigs

Disease transmission, Animal to animal
Talukdar JN
1980 J Invert Path 36 (2) Sept 273-275 Wa
Nosema sp. in Antheraea assamensis, transovarian transmission, prevalence in infected progeny

Disease transmission, Animal to animal
Wolters E; Heydorn AO; Laudahn C
1980 Berl u Munchen Tierarztl Wchnschr 93 (11) June 1 207-210 Wa
Cystoisospora felis oocysts and Sarcocystis bovifelis sporocysts in feces of cats fed raw bovine diaphragm muscle, no oocysts or sporocysts excreted when cats were fed same tissue after deep-freezing; continuous oocyst passage in cats of two isolates of C. felis resulted in significant differences in prepatent periods and reproduction levels between isolates, differences perhaps related to adaptations to one- or two-host modes of transmission

Disease transmission, Animal to man
Al-Karmi T; Behbehani K
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 745-746 Wa
Toxoplasma gondii in Meriones crassus, potential source of human (Bedouin) infection: Kuwait

Disease transmission, Animal to man
Arambulo PV III; Moran N
1980 Internat J Zoonoses 7 (2) Dec 135-141 Wm
food-transmitted parasitic zoonoses, sociocultural and technological determinants (etiologic agents, geographic occurrence, principal food source), general review

Disease transmission, Animal to man
Bettini P; Canestri-Trotti G
1978 Parassitologia 20 (1-3) Dec 211-215 Wa
parasite contamination from dog and cat feces in public parks, school grounds, and sand boxes, public health importance: Bologna (Italy)

Disease transmission, Animal to man
Brandrup F; Andersen K; Kristensen S
1979 Hautarzt 30 (9) Sept 497-500 Wm
Cheyletiella yasguri, infection in 3 dogs and 5 of 6 persons exposed to the dogs, clinical case report, pathology, therapy: Denmark

Disease transmission, Animal to man
Broadbent EJ; Ross R; Hurley R
1981 J Clin Path 34 (6) June 659-664 Wa
Toxoplasma gondii, prevalence of antibody in pregnant women evaluated by age groups, dietary habits, and history of animal contact; indirect haemagglutination antibody test vs. indirect fluorescent antibody test

Disease transmission, Animal to man
Brook I et al
1981 IC Infect Control 2 (4) July-Aug 317-320 Wm
increased rates of eosinophilia among children in institution for mentally retarded, serologic survey showed previous exposure to variety of parasites but principal cause of eosinophilia may be Toxocara infection due to frequent pica behavior and contact with resident animals: California

Disease transmission, Animal to man
Catar G
1979 Bratisl Lekar Listy 72 (5) Nov 524-529 Wm
toxoplasmosis, humans, possible occupational disease (employees in meat industry, laboratory workers in contact with infected animals, health service personnel etc.), recommendations for control

Disease transmission, Animal to man
Chakrabarti A et al
1981 Ann Trop Med and Parasitol 75 (3) June 353-357 Wa
Sarcoptes scabiei var. bubalis, human scabies from contact with infested water buffaloes, clinical symptoms, incidence, recovery rate of mites, occupations (animal attendants and milkmen), age and sex distribution, distribution of sites of lesions: Calcutta, India

Disease transmission, Animal to man
Dada BJO
1979 Niger Med J 9 (7-8) July-Aug 693-694 Wm
helminths, stray dogs, incidence survey, high possibility of fecal contamination of the environment by zoonotic helminths in both Kaduna and Zaria areas of Nigeria

Disease transmission, Animal to man
Darrow JC; Lack EE
1981 J Surg Oncol 16 (3) 219-224 Wm
Dirofilaria immitis causing solitary lung nodule in humans, diagnostic problems, increasing incidence in humans because of expanding geographical range of canine infections; case report, clinical aspects, man: Massachusetts

Disease transmission, Animal to man
Frenkel JK; Ruiz A
1980 Am J Trop Med and Hyg 29 (6) Nov 1167-1180 Wm
Toxoplasma gondii, human, prevalence and distribution of antibody titers by age; antibody prevalence and cat contact; correlation of antibody status with preparation of meat and eggs; correlation with cat and soil contact; antibody prevalence by economic status, residence, and cat contact; type of kitchen floor and cat contact; occupation, sex, and antibody prevalence; animal contact: Costa Rica

Disease transmission, Animal to man
Frenkel JK; Ruiz A
1981 Am J Epidemiol 113 (3) Mar 254-269 Wa
Toxoplasma antibody prevalence in humans, cats, and intermediate hosts, chain of transmission (environmental factors, rural and urban living, soil contact, human association with cats, cat density, and host age): Costa Rica

Disease transmission, Animal to man
Ganley JP; Comstock GW
1980 Am J Epidemiol 111 (2) Feb 238-246 Wa
Toxoplasma gondii, immunofluorescent dye titers in humans, positive association with increasing age, possession of farm animals, and residence in older house, negative association with possession of cats: Washington County, Maryland

Disease transmission, Animal to man
Glickman LT et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 77-80 Wa
Toxocara canis, children, significant associations between: 1) feces, soil, or grass pica and infection; 2) dog ownership and infection; and 3) paint or plaster pica and elevated blood lead: Allegheny County, Pennsylvania

Disease transmission, Animal to man
Grossklaus D
1979 Oeffentl Gsndhtsw 41 (8) Aug 501-512 Wm
zoonoses, current problems involving food hygiene, studies aimed at improving consumer protection, prophylactic measures for veterinary surgeons in the public health field

Disease transmission, Animal to man
Hayatee ZG; Al-Janabi BM; Al-Sadi HJ
1979 Ann Coll Med Mosul 10 (1) Jan 19-22 Wm
Dermanyssus gallinae, outbreak in humans causing itching, erythema, and allergic reactions, pigeons living and nesting on local buildings apparent source: Mosul Medical College, Mosul, Iraq

Disease transmission, Animal to man
Hira PR
1978 African J Med and Med Sc 7 (1) Mar 1-7 Wm
Inermicapsifer madagascariensis, Schistosoma spp., spiruroid ova, fecal survey, helminthozoonotic infections in man in Zambia

Disease transmission, Animal to man
Hunter KW jr; Campbell AR; Sayles PC
1979 J Med Entom 16 (6) Dec 18 547 Wa
Ctenocephalides felis, human infestation from suburban Procyon lotor, case report: Takoma Park, Maryland

Disease transmission, Animal to man
Ivashkin VM; Leikina ES; Shikhobalova NP
1978 Trudy Gel'mintol Lab Akad Nauk SSSR 28 5-9 Wa
nematodes of animals parasitizing humans, brief review

Disease transmission, Animal to man
Kalra NL
1980 J Communic Dis 12 (1) Mar 49-54 Wm
"Plasmodium cynomolgi strain as it exists in Nicobar can maintain itself in the human host who is highly susceptible to it even in the absence of animal reservoir"; major malarial vectors in this area are susceptible to this strain, preliminary report: Greater Nicobars, Anadaman & Nicobar Islands.

Disease transmission, Animal to man
Kornblatt AN; Schantz PM
1980 J Am Vet Med Ass 177 (12) Dec 15 1212-1215 Wa
Toxocara canis of dogs, survey indicates current veterinary practices of prophylaxis, treatment, and client education are inadequate to prevent potential public health risks of visceral larva migrans, recommendations

Disease transmission, Animal to man
Kummel BA; Estes SA; Arlian LG
1980 J Am Vet Med Ass 177 (9) Nov 1 903-908 Wa
Trixacarus caviae in Cavia porcellus (skin) (nat. and exper.), clinical signs, development of 'scabies-like' condition in 1 of 2 owners, case report; transmission studies from diseased to healthy guinea pigs; morphologic comparison of T. caviae and Sarcoptes scabiei; reported successful treatments; possible model for study of scabies in man and other animals

Disease transmission, Animal to man
Levine SE; Mossler JA; Woodard BH
1980 South Med J 73 (6) June 749-750 Wm
Dirofilaria immitis, man (lung), case report, differential diagnosis from other pulmonary nodules; epidemiologic, morphologic, and clinical features of human infections: North Carolina

Disease transmission, Animal to man
Lopez CE et al
1980 Am J Epidemiol 112 (4) Oct 495-507 Wa
Giardia lamblia, clinical, epidemiological, and laboratory aspects of communitywide outbreak of gastrointestinal illness; water implicated as source of infection with either humans or Castor canadensis responsible for contaminating source water: Berlin, New Hampshire

Disease transmission, Animal to man
Mak JW et al
1980 Trop and Geogr Med 32 (3) Sept 259-264 Wa
Brugia and Dirofilaria spp., dogs, cats, zoonotic implications and their impact on the human filariasis control programme in Peninsular Malaysia

Disease transmission, Animal to man
Menard E et al
1975 Rev Med Chile 103 (3) Mar 215-220 Wm
Toxoplasma gondii, epidemiological survey of 250 presumably healthy children for evidence of infection using the indirect immunofluorescence test, most active infections started in second year of life, most children had contact with soil contaminated with cat feces: western district of Santiago

Disease transmission, Animal to man
Overstreet RM; Meyer GW
1981 J Parasitol 67 (2) Apr 226-235 Wa
Hysterothylacium type MB larvae from Paralichthys lethostigma as cause of hemorrhagic lesions in stomach of Macaca mulatta (exper.), implications for human consumption of raw seafood

Disease transmission, Animal to man
Rufli T; Mumcuoglu Y
1981 Praxis Bern 70 (10) Mar 3 414-429 Wm
Sarcoptes scabiei var. hominis, humans, increasing incidence, pathology, differential diagnosis, various dermatologic presentations and their clinical courses compared, review of some animal scabies and their presentations in man, therapeutic recommendations

Disease transmission, Animal to man
Samuel WM
1981 J Wildlife Dis 17 (3) July 343-347 Wa
Sarcoptes scabiei from Canis latrans, Vulpes vulpes, and Canis lupus, attempted experimental transmission to coyotes, dogs, and coyote-dog hybrids, four suspected human cases resulted from handling infested coyotes

Disease transmission, Animal to man
Schantz PM et al
1980 Am J Pub Health 70 (12) Dec 1269-1272 Wa
Toxocara canis, ocular larva migrans patients and age- and sex-matched controls studied to determine type of pet exposure and other risk factors associated with infection

Disease transmission, Animal to man
Stagno S et al
1980 Pediatrics Am Acad Pediat 65 (4) Apr 706-712 Wa
Toxoplasma gondii, children of extended family, clinical, serological and epidemiological aspects, history of geophagia, outbreak probably caused by ingesting oocysts from cat feces, unusual and severe clinical manifestations probably resulted from simultaneous Toxocara infection: Alabama

Disease transmission, Animal to man
Tovornik D; Matjasic M
1979 Zdrav Vestnik 48 (2) Feb 87-89 Wm
Argas sp., massive invasion of human-populated apartment attributed to infected near-by loft occupied by pigeons

Disease transmission, Animal to man
Tzipori S et al
1980 Infect and Immun 30 (3) Dec 884-886 Wa
Cryptosporidium (isolated from calves with diarrhea) infected (with or without causing enteritis) 7 different species of animals, other isolates (from calves, lamb, adult human) also showed similar lack of host specificity, indirect evidence that cryptosporidiosis should be regarded as potential zoonosis, strong evidence to suggest that Cryptosporidium is single-species genus

Disease transmission, Autoinfection
August JR et al
1980 J Am Vet Med Ass 176 (4) Feb 15 331-334 Wa
Filaroides hirthi, dog, fatal hyperinfection suggestive of autoinfection

Disease transmission, Autoinfection
de Gaetani CF; Sannicola Botticelli C
1981 Arch Anat et Cytol Path 29 (2) 87-89 Wm
Strongyloides stercoralis, man, cytologic diagnosis using bronchial washing material, autoinfection after 30 years of clinically latent infection: Italy (had served in military service in Africa in World War II)

Disease transmission, Autoinfection
Grove DI; Dawkins HJS
1981 Parasitology 83 (2) Oct 401-409 Wa
Strongyloides ratti, mice, immunosuppression with prednisolone enhanced primary infection, permitted infection in innately resistant mice, and produced complex effects when administered during challenge infection, no evidence of autoinfection

Disease transmission, Autoinfection
Moqbel R; McLaren DJ; Wakelin D
1980 Exper Parasitol 49 (2) Apr 153-166 Wa
Strongyloides ratti, rats, transplantation experiments used to assess reversibility or irreversibility of immune damage sustained by worms during primary and secondary infections, implications for understanding phenomenon of autoinfection

Disease transmission, Autoinfection
Quinones Soto RA et al
1980 Bol Asoc Med Puerto Rico 72 (12) Dec 609-613 Wm
Strongyloides stercoralis, immunocompromised patients, autoinfections, clinical review

Disease transmission, Blood
Apt W; Perez C; Sandoval J
1980 Rev Med Chile 108 (2) Feb 112-114 Wm
T[rypanosoma] cruzi, humans, prevalence of Chagasic infection of blood bank samples analyzed using the indirect hemagglutination test: Chile

Disease transmission, Blood
Aymard JP et al
1980 Rev Franc Transfus et Immuno-Hematol 23 (4) Sept 491-493 Wm
Plasmodium falciparum, P. malariae, 29-year-old woman, double infection after receiving blood transfusions: France

Disease transmission, Blood
Baldy JLS et al
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 155-159 Wm
Chagas disease by blood transfusion, report of two acute cases treated with nifurtimox: Londrina, Parana State, Brasil

Disease transmission, Blood
Baruffa G
1979 Rev Inst Med Trop S. Paulo 21 (1) Jan-Feb 37-41 Wa
Chagas disease, serological prevalence in blood samples from donors, addition of gentian violet to blood collected for transfusions is harmless and prevents transmission of living parasites: Brazil

Disease transmission, Blood
Bastin R et al
1979 Nouv Presse Med 8 (9) Feb 24 699-700 Wm
Plasmodium falciparum, heroin addict, transmission of infection through intravenous injection and contaminated syringe

Disease transmission, Blood
Bending MR; Maurice PDL
1980 Postgrad Med J London (655) 56 May 344-345 Wa
Plasmodium falciparum, laboratory worker, accidental self-inoculation with infected blood: London

Disease transmission, Blood
Bouree P; Fouquet E
1978 Bull Soc Path Exot 71 (3) May-June 297-301 Wa
Plasmodium falciparum infection transmitted from infected patient to nurse who had drawn blood sample, case report: Cameroun

Disease transmission, Blood
Choutet P et al
1979 Semaine Hop Paris 55 (33-34) Oct 8-15 1539-1541 Wm
Plasmodium vivax, woman, case report of infection resulting from blood transfusion; comments on diagnosis, treatment, prophylaxis, and rarity of transfusion malarias: France

Disease transmission, Blood
Conrad ME
1981 Seminars Hematol 18 (2) Apr 122-146 Wa
diseases transmissible by blood transfusions, humans, review article, includes human blood parasites

Disease transmission, Blood
Cruz FS; Marr JJ; Berens RL
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 761-765 Wa
Trypanosoma cruzi, amphotericin B can eliminate trypomastigote form from stored blood and may therefore be considered as replacement for crystal violet in blood bank blood to prevent transfusion-induced Chagas' disease

Disease transmission, Blood
Faria R
1980 Rev Paul Med 96 (1-2) July-Aug 33-36 Wm
Trypanosoma cruzi, diagnostic screening of potential blood donors using the complement fixation test and antigen stabilized against enzymatic hydrolytic denaturation and bacterial contamination, potentially more efficient and accurate test

Disease transmission, Blood
Fayer R; Leek RG
[1980] J Parasitol 65 (6) Dec 1979 890-893 Issued Apr 2 Wa
Sarcocystis, substantiation of previous reports of merozoites in host blood, transmission via blood transfusion from one intermediate host to others of the same species

Disease transmission, Blood
Gogus S; Sellioglu B; Beyzova U
1978 Turk J Pediat 20 (3-4) July-Oct 141-142 Wm
Plasmodium malaria, 4-month-old child after exchange transfusions for ABO incompatibility, case report: Turkey

Disease transmission, Blood
Gogus S; Sellioglu B; Yilgor E
1979 Mikrobiyol Bul 13 (3) July 305-307 Wm
Plasmodium malariae, 4-month-old baby, infection probably due to exchange transfusion: Turkey

Disease transmission, Blood
Goncalves AM et al
1980 Molec and Biochem Parasitol 1 (3) June 167-176 Wa
Trypanosoma cruzi bloodstream forms, mechanism of action of 3-allyl-β-lapachone in vitro, might be useful in preventing transmission of Chagas' disease during blood transfusion but is not active against infections in mice

Disease transmission, Blood
Hernandez Sanchez JM
1980 Sangre Barcelona 25 (5B) 848-855 Wm
human protozoan infections and filariasis transmitted by blood and its derivatives

Disease transmission, Blood
Hira PR; Husein SF
1979 J Hyg Epidemiol Microbiol and Immunol 23 (4) 436-444 Wa
parasitic infections, humans, blood transfusion induced: Zambia

Disease transmission, Blood
Jacoby GA et al
1980 N England J Med 303 (19) Nov 6 1098-1100 Wa
Babesia microti, elderly man, case report, treatment of transfusion-transmitted babesiosis by exchange transfusion: Massachusetts

Disease transmission, Blood
Joishy SK; Lopez CG
1980 Am J Hematol 8 (2) 221-229 Wm
Plasmodium falciparum, transfusion-induced infection in splenectomized beta-thalassemia major child, clinical case report; suggested guidelines to help prevent transfusion-induced malaria, index of suspect signs and symptoms as key to diagnosis

Disease transmission, Blood
Koldsland OH; Osnes M
1980 Tidsskr Norske Laegefor 100 (11) Apr 630 Wm
Plasmodium falciparum, while treating a sailor for undiagnosed infection a nursing assistant accidentally became contaminated with patient's blood, 12 days later assistant developed malaria: Norway

Disease transmission, Blood
Lorca M et al
1979 Rev Med Chile 107 (1) Jan 6-8 Wm
Trypanosoma cruzi, prevalence survey using the indirect immunofluorescence test, blood samples from 2 blood banks from different geographic areas of Chile

Disease transmission, Blood
Moiraghi Ruggenini A et al
1979 Ric Clin e Lab 9 (2 suppl) 65-72 Wm
Toxoplasma gondii and cytomegalic infections, humans, risk factor in using blood from donors as therapy

Disease transmission, Blood
Mok CK et al
1980 Thorax 35 (5) May 389-391 Wm
Plasmodium malariae, P. falciparum, children, post-operative pyrexia immediately after open heart surgery, emphasis on need for awareness by cardiac surgeons (infected father of 1 child had been blood donor for the surgical procedure)

Disease transmission, Blood
Peltola H; Rapola J; Jokipii L
1980 Duodecim 96 (17) 1145-1152 Wm
Leishmania donovani, 13-month-old child, clinical report, infection apparently result of blood exchange transfusion given when child was 6 days old: Finland (apparently healthy donor had travelled in southern Europe)

Disease transmission, Blood
Valbonesi M et al
1979 Quad Sclavo Diag Clin e Lab 15 (2) June 243-247 Wm
Toxoplasma gondii, serological survey of patients with Cooley anemia, blood donors, and others using indirect immunofluorescence test, analysis of data confirms that heavily transfused patients are at particular risk of acquiring infection

Disease transmission, Control [See also Animal husbandry; Biological control; Snail control; Technique, Treatment]

Disease transmission, Control
Anderson N et al
1980 Research Vet Sc 29 (3) Nov 333-341 Wa
nematodes, sheep, oxfendazole in controlled release intraruminal capsules, pen and field experiments, potential for prevention of helminthosis in sheep

Disease transmission, Control
Anderson RM
1980 Lecture Notes Biomath 39 278-322 Wa
mathematical framework to describe dynamics of direct life cycle helminth parasites, general properties of model with attention focused on transmission threshold and unstable breakpoints, methods of predicting trends in prevalence and intensity of infection within age-structured populations, dynamics of Necator americanus infections (model predictions compared with data from India and Taiwan), significance of seasonal climatic change and spatial heterogeneity, analysis of effectiveness of various control methods, future research needs, symposium presentation

Disease transmission, Control
Apted FIC
1980 Pharmacol & Therap 11 (2) 391-413 Wm
trypanosomiasis in the Eastern Hemisphere, humans, present status of chemotherapy and chemoprophylaxis, extensive review

Disease transmission, Control
Arlian LG et al
1981 Am J Vet Research 42 (10) Oct 1782-1784 Wa
Psoroptes cuniculi, off-host survival times for male and female mites as function of ambient temperature and relative humidity conditions, implications for control of transmission

Disease transmission, Control
Barbosa FS; Costa DPP
1981 Ann Trop Med and Parasitol 75 (1) Feb 41-52 Wa
Schistosoma mansoni, human, long-term control project in which molluscicide Bayluscide was used as sole means of control, concluded that costs could not be met by health budget of developing country: rural area of northeastern Brazil

Disease transmission, Control
Barlow LA; Surgeoner GA
1980 Proc Entom Soc Ontario 110 1979 9-17 Issued Sept Wa
Haematobia irritans, cattle, efficacy of several self-applicating devices and insecticides in controlling fly populations: Guelph, Ontario

Disease transmission, Control
Barnish G; Christie JD; Prentice MA
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 488-492 Wa
Schistosoma mansoni, 2-year focal surveillance-mollusciciding programme for control of Biomphalaria glabrata, costs: Cul de Sac Valley, Saint Lucia

Disease transmission, Control
Bastin R; Charmot G
1980 Nouv Presse Med 9 (14) Mar 22 1003-1006 Wm
Plasmodium spp., humans, epidemiologic survey, practical clinical aspects and recommended prophylaxis, most infections resulted after travel to Africa rather than to Asia: France

Disease transmission, Control
Bell D
1980 J Antimicrob Chemother 6 (1) Jan 7-9 Wm
malaria chemoprophylaxis, development of resistance to suppressive drugs, current status, brief review

Disease transmission, Control
Bengtsson E et al
1981 Lancet London (8240) 2 Aug 1 249 Wa
malaria, humans travelling to chloroquine-resistant endemic areas of East Africa, suggested prophylaxis includes chloroquine followed by a long acting sulfonamide 4 weeks after return

Disease transmission, Control
Black RH
1980 Med J Australia 1 (10) May 17 493-494 Wm
Plasmodium falciparum, increased evidence of chloroquine-resistant malaria in Papua New Guinea necessitates changes in malarial prophylaxis in travellers to that area, brief recommendations for alternate control measures

Disease transmission, Control
Bruce-Chwatt LJ
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 605-617 Wa
man against malaria: conquest or defeat, Manson Oration outlining ups and downs of fight against malaria during the past 25 years

Disease transmission, Control
Bruce-Chwatt LJ
1981 Mosquito News 41 (2) June 215-225 Wa
Leland Ossian Howard (1857-1950) and Malaria Control: Then and Now, 3. AMCA Memorial Lecture

Disease transmission, Control
Brunsdon RV
1980 Vet Parasitol 6 (1-3) Jan 185-215 Wa
gastro-intestinal nematodes of sheep and cattle, principles of control, extensive review

Disease transmission, Control
Catar G
1979 Bratisl Lekar Listy 72 (5) Nov 524-529 Wm
toxoplasmosis, humans, possible occupational disease (employees in meat industry, laboratory workers in contact with infected animals, health service personnel etc.), recommendations for control

Disease transmission, Control
Chapin G; Wasserstrom R
1981 Nature London (5829) 293 Sept 17-23 181-185 Wa
malaria resurgence in Central America and India, relationship to intensified agricultural production and associated increased use of pesticides which has led to pesticide resistance in many vectors

Disease transmission, Control
Cheesmond AK; Fenwick A
1981 J Trop Med and Hyg 84 (3) June 101-107 Wa
Schistosoma mansoni, 12-month study of excretory behaviour of resident and migrant labourers undertaken to contribute information for control strategy in endemic area, study results show only limited regular contamination of water bodies with S. mansoni eggs: Gezira, Sudan

Disease transmission, Control
Chlebowsky HO; Zielke E
1980 Tropenmed u Parasitol 31 (2) June 181-193 Wa
Wuchereria bancrofti, rural population, efficacy of repeated diethylcarbamazine treatment and vector control on microfilarial reservoir; experiences with membrane filtration technique under field conditions: Liberia

Disease transmission, Control
Coura JR et al
1980 Rev Inst Med Trop S Paulo 22 (1) Suppl 4 Jan-Feb English text 77-84 Portuguese text 195-202 Wm
S[chistosoma] mansoni, humans in endemic areas, therapy with oxamniquine temporarily reduces infection prevalence and reduces incidence of severe forms of infections, it does not however interrupt infection cycle: State of Minas Gerais, Brazil

Disease transmission, Control
Crosskey RW
1981 Tropenmed u Parasitol 32 (1) Mar 2-16 Wa
Onchocerca volvulus, human, and its Simulium damnosum complex vectors, review with special reference to geographical distribution and development of national control campaign: Nigeria

Disease transmission, Control
Curtis CF; Feachem RG
1981 J Trop Med and Hyg 84 (1) Feb 17-25 Wa
improvement of water supplies and on-site sanitation systems in underdeveloped areas has the potential for increasing populations of Culex pipiens complex mosquitoes and thus a potential for increasing prevalence and intensity of Wuchereria bancrofti in endemic areas, review

Disease transmission, Control
Dammin GJ et al
1981 Human Path 12 (5) May 398-400 Wm
Babesia microti, humans, increasing incidence, prevention and control including avoidance of contact with Ixodes dammini vectors and use of tick repellents: northeastern United States

Disease transmission, Control
Das PK; Rajagopalan PK
1980 Indian J Med Research 72 Oct 500-507 Wa
Culex pipiens, resistance to 5 insecticides, application to bancroftian filariasis control program in Pondicherry, India

Disease transmission, Control
Davies JB et al
1981 Tropenmed u Parasitol 32 (1) Mar 17-24 Wa
Onchocerca volvulus, studies on biting Simulium damnosum s.l. at breeding site in Onchocerciasis Control Programme area during and after interruption of insecticidal treatments: West Africa

Disease transmission, Control
Delmont J et al
1979 Bull Soc Path Exot 72 (3) May-June 222-231 Wa
Plasmodium spp., Europeans who had been living in endemic areas of Africa, analysis of fluorescent antibodies in serum, useful in evaluating success of chemoprophylaxis, detecting infections in potential blood donors, and in evaluating febrile illnesses

Disease transmission, Control
Dubey JP
1980 J Am Vet Med Ass 177 (12) Dec 15 1203-1207 Wa
Toxoplasma gondii cysts, goats (nat. and exper.), distribution and persistence in various organs and tissues and in milk, effect of freezing meat, public health significance

Disease transmission, Control
Dunn FL
1979 Bull World Health Organ 57 (6) 887-902 Wa
human tropical parasitic diseases affecting public health worldwide, problems associated with control efforts, objectives for current research, priorities and future direction for research efforts

Disease transmission, Control
Felman YM
1981 Bull N York Acad Med 2 s 57 (3) Apr 201-206 Wa
Entamoeba histolytica, Giardia lamblia, human, sexual transmission, approaches to control, symposium presentation

Disease transmission, Control
Ferrucci M
1978 Ann Sclavo 20 (4) July-Aug 510-525 Wm
Toxoplasma gondii and measles, humans, plan for control of congenital infections: Provincia di Ferrara, Italia

Disease transmission, Control
Garms R; Walsh JF; Davies JB
1979 Tropenmed u Parasitol 30 (3) Sept 345-362 Wa
Onchocerca volvulus, reinvasion by infected Simulium damnosum s.l. into areas of WHO Onchocerciasis Control Programme, emphasis on southwestern areas of Volta River Basin

Disease transmission, Control
Garnham PCC; McMahon JP
1981 Mosquito News 41 (2) June 383-384 Wa
Simulium neavei (vector of Onchocerca volvulus), brief history of eradication from Kenya

Disease transmission, Control
Gibson TE
1980 Vet Parasitol 6 (1-3) Jan 241-254 Wa
factors influencing application of anthelmintics for control of parasites, review

Disease transmission, Control
Gillet J; Jacques PJ; Herman F
1980 Advances Exper Med and Biol 121A 307-313 Wa
Plasmodium berghei, use of yeast particulate glucan for causal prophylaxis of mouse malaria

Disease transmission, Control
Gonzalez-Guzman J
1980 J Math Biol 10 (1) Aug 53-64 Wa
model for parasitic disease control by permanent time-continuous mixed program of vector reduction and drug application

Disease transmission, Control
Grossklaus D
1979 Oeffentl Gsndhtsw 41 (8) Aug 501-512 Wm
zoonoses, current problems involving food hygiene, studies aimed at improving consumer protection, prophylactic measures for veterinary surgeons in the public health field

Disease transmission, Control
Gruvel J
1980 Acta Zool et Path Antverpiensia (75) Oct 29-48 Wa
tsetse fly vectors of animal trypanosomiasis, possible control measures, economic importance: West Africa

Disease transmission, Control
Hall AP
1980 Roy Soc Health J 100 (2) Apr 57-61 Wm
Plasmodium spp., human, general brief clinical review (epidemiology, pathophysiology, diagnosis, clinical features, management); suggested control measures to prevent transmission into the United Kingdom

Disease transmission, Control
Harris RE; Revfeim KJA; Heath DD
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Disease transmission, Feces
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Disease transmission, Feces
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Joyner LP et al
1981 Vet Rec 108 (12) Mar 21 264-265 Wa
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Disease transmission, Feces
Mara D; Feachem R
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Cryptosporidium, fecal transmission between calves and pigs, histopathology

Disease transmission, Feces
Peeters JE et al
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Disease tranmission, Feces
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Disease transmission, Feces
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1980 Nippon Zyuisi-Kai Zassi (J Japan Vet Med Ass) 33 (9) Sept 438-441 Wa
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Disease transmission, Feces
Schneider R
1981 Oeffentl Gsndhtsw 43 (3) Mar 149-150 Wm
Pulex irritans in composted swine manure used on gardens, probable cause of infestations on humans and animals in the general area of the gardens: Germany

Disease transmission, Feces
Skracikova J; Junasova A; Straka S
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Giardia intestinalis, massive outbreak in children and staff of infant care center, successful mass therapy with metronidazole, probable transmission from one child to another through fecal-oral route: Czechoslovakia

Disease transmission, Feces
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1973 Yonsei Rep Trop Med 4 (1) Nov 88-95 Wm
Ascaris suum, hookworms, ovicidal effects of ferrous sulfate combined with sodium nitrite when added to infected human and animal excreta used in methane-gas producing toilet systems (system used in rural areas to produce gas which is piped into homes and used as cooking fuel): Korea

Disease transmission, Feces
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Disease transmission, Feces
Tzipori S et al
1981 J Infect Dis 144 (2) Aug 170-175 Wa
Cryptosporidium [sp.], artificially reared red deer calves (cecum, colon, jejunum, upper and terminal ileum), possible association between severe diarrhea of deer and parasite infection, serological relationship established (by indirect immunofluorescence) between Cryptosporidium isolated from the deer and bovine Cryptosporidium associated with earlier outbreak in suckled beef calves raised at the same research station, deer C. [sp.] also infected new-born specific pathogen-free mice: Scotland

Disease transmission, Feces
Udonsi JK; Nwosu ABC; Anya AO
1980 Ztschr Parasitenk 63 (3) 251-259 Wa
Necator americanus, frequency distribution of human fecal deposits and infective larvae on farmlands in hookworm endemic area; age structure of larvae and their vertical distribution in soil; weekly and monthly fluctuations in L3 populations: Nigeria

Disease transmission, Food
Aganga OA et al
1981 Internat J Zoonoses 8 (1) June 57-62 Wm
Toxoplasma gondii, serological survey in local food animals (cattle, sheep, goats, swine), concluded that slaughter animals in area present minimal public health hazard: Nigeria

Disease transmission, Food
Amici C et al
1979 Ann Sclavo 21 (3) May-June 264-271 Wm
Toxoplasma, retrospective seroimmunological survey of 3,455 women, role of antibody occurrence in raw meat eaters was statistically verified, Toxoplasma infection may prove to be significant etiological factor for abortion

Disease transmission, Food
Arambulo PV III; Moran N
1980 Internat J Zoonoses 7 (2) Dec 135-141 Wm
food-transmitted parasitic zoonoses, sociocultural and technological determinants (etiologic agents, geographic occurrence, principal food source), general review

Disease transmission, Food
Bouree P et al
1977 Ann Med Int Paris 128 (8-9) Aug-Sept 647-654 Wm
trichinosis, epidemic involving 125 persons, epidemiology, clinical aspects, infected horse meat apparent source of infection: suburban area of south Paris

Disease transmission, Food
Bygbjerg IC; Gomme G
1980 Ugeskr Laeger 142 (8) Feb 18 523 Wm
Dicrocoelium dendriticum, man (eggs in feces), had eaten sheep liver: Denmark

Disease transmission, Food
Carney WP; Sudomo M; Purnomo
1980 Trop and Geogr Med 32 (2) June 101-105 Wa
Echinostoma lindoense, disappearance of human infections in the Lindu Valley area because of unplanned but successful interruption of parasite life cycle: Central Sulawesi, Indonesia

Disease transmission, Food
Celerin AJ; McMullen ME
1981 J Am Vet Med Ass 179 (3) Aug 1 245-246 Wa
Dioctophyma renale, dog (peritoneal cavity), infection probably acquired by consumption of dead fish, clinical report: near Lake St Clair

Disease transmission, Food
Dada BJO
1980 J Helminth 54 (4) Dec 287-291 Wa
Cysticercus bovis, C. cellulosae, hydatid disease, prevalence in slaughtered food animals based on retrospective analysis of abattoir records: Nigeria

Disease transmission, Food
Dada BJO
1980 J Helminth 54 (4) Dec 293-297 Wa
Cysticercus bovis, C. cellulosae, hydatid cysts, prevalence in slaughtered food animals based on joint examination with meat inspectors: Nigeria

Disease transmission, Food
Diaz MC et al
1980 Rev Med Chile 108 (10) Oct 900-902 Wm
intestinal protozoal and bacterial infections, hospital food handlers, incidence survey, possible significance: Santiago, Chile

Disease transmission, Food
Dubey JP
1980 J Am Vet Med Ass 177 (12) Dec 15 1203-1207 Wa
Toxoplasma gondii cysts, goats (nat. and exper.), distribution and persistence in various organs and tissues and in milk, effect of freezing meat, public health significance

Disease transmission, Food
Fameree L; Cotteleer C; Van Den Abbeele O
1979 Rev Med Liege 34 (10) May 15 464-473 Wm
Trichinella spiralis, 4 members of family after eating wild boar meat, case report, general review: Belgium

Disease transmission, Food
Forattini OP et al
1980 Rev Saude Pub S Paulo 14 (1) Mar 143-149 Wm
Trypanosoma cruzi, autochthonous infection, 9-year-old girl, no known synanthropic Triatominae vectors in area, infection possibly resulted from handling wild mammals being prepared for consumption: area of southern coast of Sao Paulo State, Brazil

Disease transmission, Food
Frenzel A et al
1979 Rev Med Chile 107 (4) Apr 343-351 Wm
intestinal parasites, young children, relationship to infections in persons preparing the children's food and in sanitary conditions in their homes: Chile

Disease transmission, Food
Grossklaus D
1979 Oeffentl Gsndhtsw 41 (8) Aug 501-512 Wm
zoonoses, current problems involving food hygiene, studies aimed at improving consumer protection, prophylactic measures for veterinary surgeons in the public health field

Disease transmission, Food
Jackson GJ et al
1981 Applied and Environment Microbiol 41 (4) Apr 912-914 Wa
parasitic nematodes, recovery from fish, comparison of digestion and elution methods, fish from San Francisco markets contained more nematodes than fish from Boston markets

Disease transmission, Food
Kim DC
1974 Yonsei Rep Trop Med 5 (1) Nov 3-44 Wm
Clonorchis sinensis, humans, vectors, reservoir hosts, extensive ecological and prevalence survey in high and low endemicity areas (seasonal distribution, sex and age factors, transmission factors): Korea

Disease transmission, Food
Kimmig P; Piekarski G; Heydorn AO
1979 Immun u Infekt 7 (5) Nov 170-177 Wm
Sarcocystis suihominis, human volunteers infected by eating infected raw pork, symptoms and clinical findings, laboratory findings

Disease transmission, Food
Lainson R; Shaw JJ; Naiff RD
1980 Rev Inst Med Trop S Paulo 22 (6) Nov-Dec 294-297 Wm
Trypanosoma cruzi, exper. mice infected when fed a variety of local foods contaminated at least 3 hours with viable epimastigotes; speculations on possible contamination of foods by infected domiciliated vector bugs imported from highly endemic areas to low endemic areas of the Amazon basin

Disease transmission, Food
Lin Y et al
1980 Tung Wu Hsueh Pao (Acta Zool Sinica) 26 (1) Mar 52-60 Wa
paragonimiasis, epidemiological survey, raw or partially-cooked crabs as source of infection in humans: Jien'ou district, Fujian Province

Disease transmission, Food
Mantovani A et al
1978 Parassitologia 20 (1-3) Dec 101-111 Wa
Echinococcus granulosus, dogs (exper.) fed raw bovine, ovine or swine meat sold as pet food, confirms hypothesis of urban canine infection: Roma and/or Bologna

Disease transmission, Food
Mosimabale FO; Belino ED
1980 Internat J Zoonoses 7 (2) Dec 115-119 Wm
Taenia saginata cysticerci, bovine carcass heavily infected with Cysticercus bovis selected from routine meat inspection at abbatoir and prepared in the normal cooking fashion for grilled beef (suya), normal cooking was insufficient and worms showed clear signs of viability, probable major route of disease transmission in Nigeria

Disease transmission, Food
Osterholm MT et al
1981 N England J Med 304 (1) Jan 1 24-28 Wa
Giardia lamblia, foodborne outbreak in employees and employee contacts of a public school, epidemiologic investigation: Goodhue, Minnesota

Disease transmission, Food
Overstreet RM; Meyer GW
1981 J Parasitol 67 (2) Apr 226-235 Wa
Hysterothylacium type MB larvae from Paralichthys lethostigma as cause of hemorrhagic lesions in stomach of Macaca mulatta (exper.), implications for human consumption of raw seafood

Disease transmission, Food
Pinkus H; Fan J; DeGiusti D
1981 Internat J Dermat 20 (1) Jan-Feb 46-49 Wm
Gnathostoma spinigerum, man, creeping eruption (back), after eating undercooked fish, had travelled in rural area of Taiwan

Disease transmission, Food
Rondelaud D
1980 Ann Parasitol 55 (4) July-Aug 393-405 Wa
Fasciola hepatica, human, epidemiology of 187 cases over 24 years, species of plant consumed, date of consumption, and place where plants were collected, species of Lymnaea present and their susceptibility to experimental infection: Limousin, France

Disease transmission, Food
Sagua H et al
1979 Rev Med Chile 107 (1) Jan 16-19 Wm
Diphyllobothrium pacificum, 11 human (feces) cases diagnosed, all had eaten insufficiently cooked fish, clinical review, niclosamide therapy: 5 seaports in northern Chile

Disease transmission, Food
Seng LT
1980 Southeast Asian J Trop Med and Pub Health 11 (4) Dec 493-495 Wa
anisakid larvae in marine fish, prevalence, mean intensity of infection, potential risk of human infection by eating lightly cooked fish: Pulau Tikus Fish Market, Penang, Malaysia

Disease transmission, Food
Sours HE; Smith DG
1980 J Infect Dis 142 (1) July 122-125 Wa
Outbreaks of foodborne disease in the United States, 1972-1978

Disease transmission, Food
Valdiserri RO
1981 Am J Clin Path 76 (3) Sept 329-333 Wa
intestinal anisakiasis, woman who consumed raw Pacific salmon, case report, Anisakinae degenerating larva removed from granulomatous tissue in intestine, 5 viable Anisakis larvae recovered from salmon purchased at market where woman shopped: United States

Disease transmission, Helminths See Vectors, Helminths

Disease transmission, Hirudinea See Vectors, Hirudinea

Disease transmission, Imported and exported hosts [See also Disease transmission, Travel and migration]

Disease transmission, Imported and exported hosts
Applewhaite LM; Craig TM; Wagner GG
1981 Trop Animal Health and Prod 13 (1) Feb 13-18 Wa
Babesia bigemina, B. bovis, native and imported cattle, serological prevalence, comparison of indirect fluorescent antibody and complement fixation tests, effect of host age: Guyana

Disease transmission, Imported and exported hosts
Callow LL; Kanhai GK; Vandenberghe A
1981 Trop Animal Health and Prod 13 (2) May 79-82 Wa
Babesia bovis, demonstration of close serological relationship between strains occurring in Australia and Mozambique using indirect fluorescent antibody test, practical implication is that Australian vaccine should protect cattle being introduced into southern Africa from B. bovis-free environments

Disease transmission, Imported and exported hosts
Joyner LP; Donnelly J; Huck RA
1981 Equine Vet J 13 (2) Apr 103-106 Wa
Babesia equi, B. caballi, complement fixation tests performed on horses destined for international movement from Great Britain and Ireland during 1976 to 1979, all positive animals had spent some part of their life outside the British Isles, test not really suitable for equids other than horses

Disease transmission, Imported and exported hosts
Kotrla B; Kotrly A
1980 Ang Parasitol 21 (2) May 79-82 Wa
helminths, transmission among native and imported game animals, influence of external environmental conditions (changes in intermediate and definitive hosts, climate, etc.) on various morphological and metrical changes of parasite, possible taxonomic problems, review: Bohemia and Moravia, Czechoslovakia

Disease transmission, Imported and exported hosts
Schaffer GD et al
1981 J Wildlife Dis 17 (2) Apr 217-227 Wa
helminth parasites in Procyon lotor typical of animals released by private hunting clubs in Appalachian Mountains, compared with data from resident raccoons from characteristic release areas, possible influence of raccoon translocation on parasitic diseases: southeastern United States

Disease transmission, Insecta See Vectors, Insecta

Disease transmission, Intrauterine See Prenatal infection

Disease transmission, Lactation
Bosse M; Manhardt J; Stoye M
1980 Zentralbl Vet-Med Beihefte (30) 247-256 Wa
nematodes, dogs, galactogenetic and prenatal infection, effect of mebendazole and fenbendazole on larvae in mother dog (exper.)

Disease transmission, Lactation
Mello DA; Borges MM
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 754-755 Wa
Trypanosoma cruzi, neonatal transmission in Calomys callosus (exper.), not possible to determine whether transmission was transplacental or by mothers' milk

Disease transmission, Lactation
Miller GC
1981 Parasitology 82 (2) Apr 335-342 Wa
prenatal and transmammary transmission of helminth parasites, review with emphasis on life cycle, longevity, and maternal transmission of Pharyngostomoides procyonis and P. adenocephala

Disease transmission, Lactation
Min HK
1976 Yonsei Rep Trop Med 7 (1) Nov 68-73 Wm
Toxocara canis, Ancylostoma caninum, larvae, intramammary migration patterns compared, histological examination of breast tissue of infected mice before and after parturition

Disease transmission, Lactation
Nwosu ABC
1981 Trop and Geogr Med 33 (2) June 105-111 Wa
hookworm infections in human neonates, mostly Ancylostoma duodenale although Necator americanus is the predominant species in this area, incidence survey, possibility of transmammary infection route: Southern Nigeria

Disease transmission, Lactation
Setasuban P; Punsri W; Meunnoo C
1980 Southeast Asian J Trop Med and Pub Health 11 (4) Dec 535-538 Wa
Necator americanus, nursing mothers, survey for prevalence in breast milk, potential source of infection: Thailand

Disease transmission, Lactation
Wilson PAG; Simpson NE
1981 Parasitology 83 (3) Dec 459-475 Wa
Strongyloides ratti, nulliparous female rats, nursing mothers and their pups, dynamics of infection and route of migration in low dose infections of homogonic and heterogonic parasite strains

Disease transmission, Man to man [See also Disease transmission, Venereal]

Disease transmission, Man to man
Bittencourt AL et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 38-42 Wa
T[rypanosoma] cruzi, 10 cases of pneumonitis in congenital Chagas' disease, relationship between parasitic infection of lungs and that of amniotic epithelium, amniotic fluid as probable means of transmission of Chagas' disease among professionals working in area of obstetrics

Disease transmission, Man to man
Bouree P; Fouquet E
1978 Bull Soc Path Exot 71 (3) May-June 297-301 Wa
Plasmodium falciparum infection transmitted from infected patient to nurse who had drawn blood sample, case report: Cameroun

Disease transmission, Man to man
Catar G
1979 Bratisl Lekar Listy 72 (5) Nov 524-529 Wm
toxoplasmosis, humans, possible occupational disease (employees in meat industry, laboratory workers in contact with infected animals, health service personnel etc.), recommendations for control

Disease transmission, Man to man
Dykes AC et al
1980 Pediatrics Am Acad Pediat 65 (4) Apr 799-803 Wa
Entamoeba histolytica, 3 infants, severe extraintestinal infections, case reports, person-to-person spread within families implicated: United States

Disease transmission, Man to man
Kvasz L
1979 Bratisl Lekar Listy 72 (5) Nov 597-600 Wm
Giardia lamblia, incidence in families of infected subjects and in children in residential homes (according to age groups), recommendations for prophylaxis and control to prevent spread or reinfection

Disease transmission, Man to man
Malyszko E; Zajac W
1980 Przegl Dermat 67 (1) Jan-Feb 53-61 Wm
Trichomonas vaginalis, humans, role of sexual contact and extrasexual routes in the spread of infections

Disease transmission, Man to man
Palicka P; Malis L; Zitek K
1980 Ceskoslov Epidemiol Mikrobiol Imunol 29 (1) Jan 52-59 Wa
scabies, human, epidemiological study, subjective and objective symptoms, person from whom infection was acquired, many epidemiological features in common with venereal diseases

Disease transmission, Man to man
Skracikova J; Junasova A; Straka S
1981 Ceskoslov Pediat 36 (6) June 331-332 Wm
Giardia intestinalis, massive outbreak in children and staff of infant care center, successful mass therapy with metronidazole, probable transmission from one child to another through fecal-oral route: Czechoslovakia

Disease transmission, Sewage See Sewage

Disease transmission, Sludge See Sewage

Disease transmission, Soil [See also Disease transmission, Feces]

Disease transmission, Soil
Armour J et al
1980 Vet Rec 106 (8) Feb 23 184-185 Wa
Ostertagia ostertagi, presence of large numbers of third stage larvae in soil on apparently safe aftermath pastures

Disease transmission, Soil
Brook I et al
1981 IC Infect Control 2 (4) July-Aug 317-320 Wm
increased rates of eosinophilia among children in institution for mentally retarded, serologic survey showed previous exposure to variety of parasites but principal cause of eosinophilia may be Toxocara infection due to frequent pica behavior and contact with resident animals: California

Disease transmission, Soil
Fincher GT; Stewart TB
1979 Proc Helminth Soc Washington 46 (1) Jan 43-46 Issued Mar 14 Wa
nematodes of cattle (feces), vertical migration of larvae through soil after burial of eggs at varying depths, laboratory studies; swine pasture studies using Ostertagia ostertagi

Disease transmission, Soil
Frenkel JK; Ruiz A
1981 Am J Epidemiol 113 (3) Mar 254-269 Wa
Toxoplasma antibody prevalence in humans, cats, and intermediate hosts, chain of transmission (environmental factors, rural and urban living, soil contact, human association with cats, cat density, and host age): Costa Rica

Disease transmission, Soil
Glickman LT et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 77-80 Wa
Toxocara canis, children, significant associations between: 1) feces, soil, or grass pica and infection; 2) dog ownership and infection; and 3) paint or plaster pica and elevated blood lead: Allegheny County, Pennsylvania

Disease transmission, Soil
Lawande RV et al
1980 Am J Trop Med and Hyg 29 (1) Jan 21-25 Wa
Naegleria fowleri identified in Muslim farmer with fatal primary amebic meningoencephalitis, case report, disease contracted during ritual washing which involved sniffing water up nose before prayers, organism also isolated from water and soil from pond used as water source: Nigeria

Disease transmission, Soil
Soesanto; Moetrarsi; Cerf BJ
1980 Berkala Ilmu Kedokteran (J Med Sc) 12 (3) Sept 123-128 Wm
soil-transmitted intestinal helminths, humans, incidence survey, environmental and sociocultural associations, possible prophylactic measures: Bali

Disease transmission, Soil
Stagno S et al
1980 Pediatrics Am Acad Pediat 65 (4) Apr 706-712 Wa
Toxoplasma gondii, children of extended family, clinical, serological and epidemiological aspects, history of geophagia, outbreak probably caused by ingesting oocysts from cat feces, unusual and severe clinical manifestations probably resulted from simultaneous Toxocara infection: Alabama

Disease transmission, Soil
Surgan MH et al
1980 Am J Pub Health 70 (11) Nov 1207-1208 Wa
Toxocara canis, survey of dog feces and soil samples from public areas, results suggest contamination of soil in public parks is not an important factor in transmission of visceral larva migrans in Essex County, New Jersey

Disease transmission, Soil
Udonsi JK; Nwosu ABC; Anya AO
1980 Ztschr Parasitenk 63 (3) 251-259 Wa
Necator americanus, frequency distribution of human fecal deposits and infective larvae on farmlands in hookworm endemic area; age structure of larvae and their vertical distribution in soil; weekly and monthly fluctuations in L3 populations: Nigeria

Disease transmission, Soil
Vinayak VK; Chitkara NL; Chhuttani PN
1979 Indian J Med Research 70 Oct 609-614 Wa
Ancylostoma duodenale, survival of larvae in various soil types and under various climatic conditions and seasons

Disease transmission, Soil
Woodruff AW et al
1981 Ann Trop Med and Parasitol 75 (5) Oct 555-557 Wm
Toxocara ova in soil in Mosul District and antibodies in human serum in Baghdad, results indicate public health importance of toxocaral contamination of soil even in climatic conditions of Middle East: Iraq

Disease transmission, Soil
Woodruff AW et al
1981 Ann Trop Med and Parasitol 75 (5) Oct 559-561 Wm
Toxocara ova in soil and antibodies in human serum, public health implications: Sudan

Disease transmission, Transplacental See Prenatal infection

Disease transmission, Transport hosts See Vectors, Mechanical

Disease transmission, Travel and migration [See also Disease transmission, Imported and exported hosts]

Disease transmission, Travel and migration
Al-Taqi M; Behbehani K
1980 Ann Trop Med and Parasitol 74 (5) Oct 495-501 Wa
cutaneous leishmaniasis, human, clinical observations, host age and sex, seasonal incidence, geographical distribution, factors which may have led to spread of infection (including increase in economic activities, travellers and immigrants, change in ecological conditions): Kuwait

Disease transmission, Travel and migration
Anderson JF et al
1981 Am J Trop Med and Hyg 30 (4) July 897-899 Wa
Rhipicephalus simus, importation into United States from Africa on boutonneuse fever patient: Connecticut, U.S.A., had just returned from Kenya

Disease transmission, Travel and migration
Arfaa F
1981 J Family Pract 12 (2) Feb 223-226 Wm
Intestinal parasites among Indochinese refugees and Mexican immigrants resettled in Contra Costa County, California, rates of infection varied with age and sex

Disease transmission, Travel and migration
Baeurle G; Stroothenke M
1981 Hautarzt 32 (7) July 372-373 Wm
Tunga penetrans, man, case review, associated pathology, epidemiology, life cycle review: Germany, had just returned from Tanzania

Disease transmission, Travel and migration
Bastin R; Charmot G
1980 Nouv Presse Med 9 (14) Mar 22 1003-1006 Wm
Plasmodium spp., humans, epidemiologic survey, practical clinical aspects and recommended prophylaxis, most infections resulted after travel to Africa rather than to Asia: France

Disease transmission, Travel and migration
Bella H et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 36-39 Wa
Schistosoma mansoni, migrant workers, prevalence (by age, sex, ethnic group, and area), morbidity: Gezira, Sudan

Disease transmission, Travel and migration
Bengtsson E et al
1981 Lancet London (8240) 2 Aug 1 249 Wa
malaria, humans travelling to chloroquine-resistant endemic areas of East Africa, suggested prophylaxis includes chloroquine followed by a long acting sulfonamide 4 weeks after return

Disease transmission, Travel and migration
Beringer T; Wiebe C
1981 Oeffentl Gsndhtsw 43 (4) Apr 195-197 Wm
intestinal parasites, incidence survey, refugees from 12 nations; high prevalence of Ancylostoma duodenale in Indian immigrants: Essen, Germany

Disease transmission, Travel and migration
Bernhard K; Semlow A
1980 Ang Parasitol 21 (1) Feb 6-10 Wa
helminths, humans, coprological survey of inhabitants and workers in rural municipality of Rostock district, GDR, comparisons with incidence in animal workers of other municipalities, seamen going to the tropics, and immigrants from the tropics

Disease transmission, Travel and migration
Black RH
1980 Med J Australia 1 (10) May 17 493-494 Wm
Plasmodium falciparum, increased evidence of chloroquine-resistant malaria in Papua New Guinea necessitates changes in malarial prophylaxis in travellers to that area, brief recommendations for alternate control measures

Disease transmission, Travel and migration
Bork K; Schramm P
1981 Hautarzt 32 (3) Mar 141-144 Wm
Dermatobia hominis causing furuncular myiasis, man (right arm), case report: Germany, had travelled to Bolivia

Disease transmission, Travel and migration
Böttiger M et al
1980 Nord Med Stockholm 95 (4) Apr 125-127 Wm
malaria, need for better knowledge about vaccination and prophylaxis for persons travelling to endemic areas

Disease transmission, Travel and migration
Brandborg LL et al
1980 Gastroenterology 78 (6) June 1602-1614 Wa
Giardia lamblia, man who had vacationed in Tahiti, case report; discussion of traveler's diarrhea and giardiasis (epidemiology, pathogenesis, diagnosis, asymptomatic infections, pathology, G. muris in mouse model, treatment)

Disease transmission, Travel and migration
Brothers, WS; Heckmann RA
1980 Cutis 25 (6) June 636-638 Wm
Tunga penetrans, 21-year-old man, case report: Utah, had visited beach at Rio de Janeiro, Brazil

Disease transmission, Travel and migration
Bruce-Chwatt LJ
1978 Ann Soc Belge Med Trop 58 (2) June 77-88 Wa
mass travel and imported diseases, including several parasitic infections, humans, advice for travellers, brief review

Disease transmission, Travel and migration
Brunner G; Reisner T; Schnaberth G
1980 Nervenarzt 51 (1) Jan 43-46 Wm
Echinococcus cysticus, primary cerebral cyst, man, case report, diagnosis using computer assisted tomography: Germany, after travel to endemic areas

Disease transmission, Travel and migration
Bulfoni A et al
1980 Arch Sc Med Torino 137 (4) Oct-Dec 687-694 Wm
malaria, 9 human cases, clinical and epidemiological notes, all had history of recent travel to or work in African or Asian endemic areas: Italy

Disease transmission, Travel and migration
Cheesmond A
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 691-692 Wa
Schistosoma mansoni, migrant workers, sociologically distinct groups, water contact behavior patterns in relation to risk of infection: Gezira, Sudan

Disease transmission, Travel and migration
Cooke RA; Shannon J
1980 Med J Australia 2 (12) Dec 13 670-673 Wm
Plasmodium spp., humans, increasing incidence in Australia, epidemiological survey, diagnostic alert, clinical presentations, infections imported by visitors to or workers in endemic areas and by immigrants

Disease transmission, Travel and migration
Coulaud JP et al
1979 Ann Int Med Paris 130 (12) Dec 693-696 Wm
Plasmodium spp., imported into Paris area, increasing incidence, risks for pregnant women, lack of, or inadequacy of, prophylaxis, frequency of re-infections in persons returning briefly to endemic areas

Disease transmission, Travel and migration
Daiber A; Anguita T
1978 Rev Med Chile 106 (1) Jan 66 Wm
Plasmodium falciparum, man, case report, possibly became infected while spending 45 minutes in Dakar airport when travelling to non-endemic area: Chile

Disease transmission, Travel and migration
Delmont J et al
1979 Bull Soc Path Exot 72 (3) May-June 222-231 Wa
Plasmodium spp., Europeans who had been living in endemic areas of Africa, analysis of fluorescent antibodies in serum, useful in evaluating success of chemoprophylaxis, detecting infections in potential blood donors, and in evaluating febrile illnesses

Disease transmission, Travel and migration
Delmont J et al
1981 Med Trop 41 (2) Mar-Apr 129-134 Wm
Plasmodium spp., humans, incidence of imported malaria in the Marseilles area, epidemiologic aspects of 164 hospitalized cases: France

Disease transmission, Travel and migration
Dieng-Hellfeldt B; Wuthe HH
1980 Oeffentl Gsndhtsw 42 (11) 863-869 Wm
intestinal parasites, incidence survey, fewer infections in German population vs. immigrants from south of Europe, Turkey, Africa, or Indochina

Disease transmission, Travel and migration
Doby JM
1981 Parasitology 82 (4) July 191-203 Wa
importation of tropical parasites to temperate regions, Workshop Proceedings, 3. European Multicolloquium on Parasitology

Disease transmission, Travel and migration
Dondero TJ jr et al
1979 South Med J 72 (12) Dec 1508-1511 Wm
Dermatobia hominis causing human myiasis, lesions reported by 3 groups of travellers to Guatemala

Disease transmission, Travel and migration
Echeverria P et al
1981 J Infect Dis 143 (6) June 767-771 Wa
travelers' diarrhea, incidence in Peace Corps volunteers, Entamoeba histolytica included as cause: rural Thailand

Disease transmission, Travel and migration
Eouzan JP
1980 Insect Sc and Its Applic 1 (1) 99-103 Wa
trypanosomiasis, human, epidemiology, influence of population changes and movements including migrants and refugees, review: Central Africa

Disease transmission, Travel and migration
Excler JL; Renaud H; Monnet P
1980 Nouv Presse Med 9 (7) Feb 9 455-456 Wm
Plasmodium vivax, newborn infant, congenital infection, mother was immigrant from Cambodia: Lyon, France

Disease transmission, Travel and migration
Faehlmann M et al
1981 Lakartidningen 78 (10) Mar 4 961-962 Wm
Fasciola hepatica, case reports, clinical aspects, possibly 1st imported cases into Sweden (after travel to Asia and Madeira)

Disease transmission, Travel and migration
Fleury P et al
1980 J Franc Ophtal 3 (8-9) 503-506 Wm
Loa loa, ocular loaiasis in young woman after camping trip in Equatorial Africa, case report, clinical aspects, diethylcarbamazine therapy, importance of immunological diagnostic techniques: France

Disease transmission, Travel and migration
Garms R; Walsh JF; Davies JB
1979 Tropenmed u Parasitol 30 (3) Sept 345-362
Wa
Onchocerca volvulus, reinvasion by infected Simulium damnosum s.l. into areas of WHO Onchocerciasis Control Programme, emphasis on southwestern areas of Volta River Basin

Disease transmission, Travel and migration
Gentilini M et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 455-460
Wa
imported malaria, human, 443 cases from 1970 to 1979, annual and monthly distribution, species of plasmodia, nationality, origin of infection, host age and sex, incubation period, signs and symptoms, diagnosis, circumstances of appearance, treatment: hospital in Paris, France

Disease transmission, Travel and migration
Geraci JE; Wilson WR; Thompson JH jr
1980 Mayo Clin Proc 55 (7) July 455-458 Wm
Leishmania donovani, man, clinical case report, presented with fever of unknown origin, diagnosis only after exploratory laparotomy and splenectomy: Madrid, had travelled to Morocco

Disease transmission, Travel and migration
de Geus A
1980 Nederl Tijdschr Geneesk 124 (41) 1737-1741
Wm
tropical parasitic diseases of humans imported into the Netherlands, general review

Disease transmission, Travel and migration
Goldsmid JM
1980 Social Sc and Med Med Geogr 14D (2) June
101-109 Wm
Imported disease: A continuing and increasing threat to Australia, includes malaria, filariasis, schistosomiasis

Disease transmission, Travel and migration
Goldsmid JM; Nightingale R; Clark D
1980 Med J Australia 1 (13) June 28 667 Wm
filariasis, human, 2 imported cases (one case report of Loa loa, other of tropical eosinophilia): Tasmania

Disease transmission, Travel and migration
Goldstein B; Janssen F; Pepin B
1981 Nouv Presse Med 10 (22) May 16 1845 Wm
Schistosoma mansoni, man, spinal cord infection, had vacationed and swum in Martinique: France

Disease transmission, Travel and migration
Haddy RI
1980 Am Family Physician 3 22 (6) Dec 25 Wm
Giardia lamblia, Strongyloides stercoralis, Ascaris lumbricoides, mixed infections in adopted Indian child now living in Michigan

Disease transmission, Travel and migration
Hall AP
1980 Roy Soc Health J 100 (2) Apr 57-61 Wm
Plasmodium spp., human, general brief clinical review (epidemiology, pathophysiology, diagnosis, clinical features, management); suggested control measures to prevent transmission into the United Kingdom

Disease transmission, Travel and migration
Hart WE
1980 Connecticut Med 44 (9) Sept 547-548 Wm
Paragonimus westermani, young male native of Laos, clinical case report, diagnostic alert for physicians treating recent refugees from Southeast Asia: Connecticut

Disease transmission, Travel and migration
Heath ACG; McColl HP; Tenquist JD
1980 N Zealand Vet J 28 (8) Aug 168-169 Wa
Rhipicephalus sanguineus, accidental importation into New Zealand

Disease transmission, Travel and migration
Helliwell CJV; Turner AC
1980 Practitioner London (1346) 224 Aug 793-796
Wm
diseases imported from endemic areas, brief survey, brief clinical discussion includes protozoal infections: United Kingdom

Disease transmission, Travel and migration
Hill IR; Turk EP
1980 Aviation Space and Environ Med 51 (9 pt 2) Sept 1069-1070 Wm
schistosomiasis, case reports, incidental finding of pulmonary infection in victims of a fatal aircraft accident, gives insight into the potential hazards of dissemination of diseases by travellers, emphasises value of routine postmortems and histology in all aircraft accident victims

Disease transmission, Travel and migration
Ho PWL; Pien FD; Guerrero RC
1979 Hawaii Med J 38 (12) Dec 401-402 Wm
Diphyllobothrium latum, Hawaiian male (feces), case report, had eaten raw fish while on fishing trip to Alaska, yomesan therapy: Hawaii

Disease transmission, Travel and migration
Hoede N; Bork K
1980 Hautarzt 31 (1) Jan 53-55 Wm
leishmaniasis, humans, 2 case reports, localizations on forehead and lumbar regions of skin: Germany (after travel to endemic areas)

Disease transmission, Travel and migration
Hoffman SL et al
1981 Am J Trop Med and Hyg 30 (2) Mar 340-343 Wa
intestinal parasites in Indochinese immigrants, Cambodians and Laotians had higher rate of multiple parasites than Vietnamese, Giardia lamblia was more prevalent in children: clinics in San Diego, California

Disease transmission, Travel and migration
Horstmann P
1980 Ugeskr Laeger 142 (4) Jan 21 245-246 Wm
Plasmodium vivax, young Danes who had lived and worked for several months in Guinea-Bissau, recommended prophylaxis of proguanil and chloroquine was apparently inadequate

Disease transmission, Travel and migration
Janssens PG; De Muynck A
1977 Ann Soc Belge Med Trop 57 (6) Dec 589-592 Wa
Trypanosoma rhodesiense, tourists and sportsmen returning from east, central, or southern Africa, clinical features, serological and cerebro-spinal fluid observations, recommended treatment regimen

Disease transmission, Travel and migration
Jaremin B; Myjak P; Gandurski P
1980 Polski Tygod Lekar 35 (10) Mar 10 357-358 Wm
Plasmodium falciparum, Polish seaman returning from West Africa, case report, associated acute renal failure, brief clinical review

Disease transmission, Travel and migration
Johnston JH; Stewart JB; Roberts DM
1980 Postgrad Med J London (661) 56 Nov 802-803 Wa
Entamoeba histolytica, amoebic dysentery in former soldier who had symptoms of infection for 36 years, acquired infection while serving in India, later illness not recognized as amoebiasis, importance of diagnostic awareness of this condition after any travel to tropics: England

Disease transmission, Travel and migration
Juminer B et al
1981 Med Trop 41 (2) Mar-Apr 135-146 Wm
P[lasmodium] spp., humans, incidence and vector survey, 1970-1979, epidemiology, periodic increases in infections related to arrival of infected migrants and a lengthy drought, suggested control measures: French Guyana

Disease transmission, Travel and migration
Kaiser MN; Hoogstraal H; Watson GE
1974 Bull Entom Research 64 (1) Aug 97-110 Wa
ticks, migrating birds, epidemiological potential of birds and their tick passengers: Cyprus

Disease transmission, Travel and migration
Kan SKP; Chong EL
1980 Ann Trop Med and Parasitol 74 (2) Apr 267-269 Wa
Clonorchis sinensis, Korean seaman (biliary tract), case report: Sabah, Malaysia

Disease transmission, Travel and migration
Kent DC; Ebbesen GK
1980 N York State J Med 80 (8) July 1217-1219 Wm
intestinal infestation by parasites in business executives involved in foreign travel, incidence survey, comparison with similar survey done 10 years previously: personnel returning from abroad to the United States

Disease transmission, Travel and migration
Khalil HM et al
1979 J Egypt Pub Health Ass 54 (5-6) 382-395 Wm
Schistosoma haematobium, relocated people of the Nubian populations, parasitological and malacological incidence survey, results discussed in light of snail prevalence, water sources, and community development: New Nuba, Egypt

Disease transmission, Travel and migration
Kloos H et al
1980 Ethiop Med J 18 (2) Apr 53-62 Wm
intestinal parasitism, incidence survey, migrant farm labor populations in irrigation schemes in the Awash Valley, and in major labor source areas: Ethiopia

Disease transmission, Travel and migration
Krampitz HE
1981 Hautarzt 32 (5) May 221-227 Wm
Elba triad (cutaneous or visceral leishmaniasis, harara, light dermatoses), humans, epidemiologic investigation of this pathologic condition in tourists after travel to the Tuscany archipelago, probable Phlebotomus vectors, significance of dogs travelling with tourists as possible reservoir hosts: Germany

Disease transmission, Travel and migration
Kubic P; Levitt C; Coccia P
1980 Minnesota Med 63 (3) Mar 161-163 Wm
Plasmodium falciparum, children who had travelled to or lived in endemic areas, emphasis on need for early diagnosis and prompt therapy to avoid fatal illnesses: Minnesota

Disease transmission, Travel and migration
Lacoste D et al
1980 Med Trop 40 (3) May-June 295-300 Wm
Schistosoma mansoni, man, bilharzial myelitis, case report, travelled to endemic African areas and swam in infected waters, general clinical review of previous cases: France

Disease transmission, Travel and migration
Loescher T; Pruefer L; von Sonnenburg FF
1980 Deutsche Med Wchnschr 105 (14) Apr 4 488-489 Wa
intestinal parasites, Vietnamese refugees, incidence survey (by age groups): Munchen, Bundesrepublik Deutschland

Disease transmission, Travel and migration
Mahoney JL
1981 South Med J 74 (3) Mar 295-297 Wm
onchocerciasis, expatriates working on a hydroelectric dam project in Taabo (hyperendemic area), diagnosis, clinical management, therapy: Ivory Coast

Disease transmission, Travel and migration
Marjolet M; Morin O; Vermeil C
1979 Bull Soc Path Exot 72 (5-6) Sept-Dec 435-442 Wa
Plasmodium spp., humans, survey, cases imported into Nantes over a 10-year period: France

Disease transmission, Travel and migration
Montalvo-Hicks LDC; Trevenen CL; Briggs JN
1980 Pediatrics Am Acad Pediat 66 (2) Aug 266-268 Wa
Trypanosoma cruzi, 13-month-old Canadian immigrant, acute myocarditis confirmed at autopsy, importance of travel history: born in Paraguay

Disease transmission, Travel and migration
Muir AD; Burry AF; Faoagali JL
1980 N Zealand Med J (652) 91 Jan 23 44-47 Wa
Leishmania tropica, human who had previously travelled in Middle East, diagnosis, treatment, case report: Christchurch, New Zealand

Disease transmission, Travel and migration
Niebauer G
1980 Ztschr Hautkrankh 55 (20) Oct 15 1378-1387 Wm
vacation-related skin diseases, humans, includes information on leishmaniasis, schistosomiasis, larva migrans, ticks

Disease transmission, Travel and migration
Normand P; Aubry P; Gouzien P
1981 Med Trop 41 (2) Mar-Apr 219-221 Wm
Dermatobia hominis, woman (right thigh), furunculoid myiasis: France, had just returned from French Guyana

Disease transmission, Travel and migration
Ortiz JS
1980 Am J Pub Health 70 (10) Oct 1103-1105 Wa
intestinal parasites in Puerto Rican farm workers, survey, prevalence by age and sex studied in population under age 15: area of Holyoke, Massachusetts

Disease transmission, Travel and migration
Otsuji Y et al
1979 Igaku Kenkyu Fukuoka (Acta Medica) 49 (3) Sept 180-192 Wm
parasites involving human digestive organs, diagnosis, few now found in Japan because of control measures but danger of importation from surrounding areas continues

Disease transmission, Travel and migration
Ott AK; Charters AD; Bowman RA
1980 Med J Australia 2 (11) Nov 29 623-624 Wm
Tunga penetrans, cause of infestation in foot of young West Australian who had travelled to Africa

Disease transmission, Travel and migration
Overton RW
1980 J Iowa Med Soc 70 (9) Sept 377-378 Wm
Trichuris trichiura, infection in 11-year-old Korean national adopted by American couple living in Iowa

Disease transmission, Travel and migration
Ozeretskovskaia NN
1980 Terap Arkh 52 (2) 111-119 Wm
Plasmodium spp., case reports of infections in humans after travel to endemic areas, pathology and complications, clinical management

Disease transmission, Travel and migration
Pearre S jr
1979 Internat Rev Ges Hydrobiol 64 (2) 193-206 Wa
hemiurid larval trematode-infected chaetognaths, morphological (gigantism) and behavioral (vertical migration to better-lit habitat) modifications, excess field mortality, lowered reproductive potential, contagious distribution of parasites within host population, may be optimal strategy to increase intermediate host predation by correct final host species and minimize damage to intermediate host population as a whole

Disease transmission, Travel and migration
Peeters D et al
1980 Ann Soc Belge Med Trop 60 (2) June 183-194 Wa
cerebral cysticercosis, 20-year-old female, light and electron microscopic study of brain pathology, case review: Belgium, had travelled to India

Disease transmission, Travel and migration
Peltola H; Rapola J; Jokipii L
1980 Duodecim 96 (17) 1145-1152 Wm
Leishmania donovani, 13-month-old child, clinical report, infection apparently result of blood exchange transfusion given when child was 6 days old: Finland (apparently healthy donor had travelled in southern Europe)

Disease transmission, Travel and migration
Picher O; Aspoeck H
1980 Wien Med Wchnschr 130 (5) Mar 15 190-193 Wm
parasitic infections, frequency and significance in Vietnamese refugees living in Austria

Disease transmission, Travel and migration
Pichon G
1981 Ann Parasitol 56 (1) 107-120 Wa
Wuchereria bancrofti, Brugia malayi, approach to speciation based on study of microfilarial periodicity as function of microfilarial density, relationship to possible dissemination of parasites in Pacific prehistory by migrating Polynesians

Disease transmission, Travel and migration
Powalowska J; Dziubinski K
1980 Polski Tygod Lekar 35 (21) May 26 799-800 Wm
amoebiasis, man, hepatic abscess after travel to tropical countries, case report

Disease transmission, Travel and migration
Reilly PC jr
1980 N England J Med 303 (10) Sept 4 587-588 Wa
malaria, humans, increasing risk of infection among travelers, suggested control measures

Disease transmission, Travel and migration
Rowe RS
1980 N Zealand Med J (662) 91 June 25 472-473 Wa
Amblyomma [sp.], woman, case report, tick bite acquired while visiting in Western Australia: New Zealand

Disease transmission, Travel and migration
Ryder RW et al
1981 J Infect Dis 144 (5) Nov 442-448 Wa
travelers' diarrhea in Panamanian tourists, etiologic and epidemiologic survey, includes Giardia lamblia and Entamoeba histolytica: Mexico

Disease transmission, Travel and migration
Saliou P et al
1978 Bull Soc Path Exot 71 (4-5) July-Oct 342-347 Wa
Plasmodium vivax, P. falciparum, humans, 2 autochthonous case reports, one probably acquired at international airport by bite of imported vector, other probably acquired in hospital and transmitted by local mosquito which had acquired infection from carrier in same hospital: Paris

Disease transmission, Travel and migration
Sebahoun G; Imbert C; Carcassonne Y
1980 Nouv Presse Med 9 (8) Feb 16 531 Wm
leishmaniasis, humans, evidence of visceral infections in non-endemic areas, brief clinical findings of 13 cases: France

Disease transmission, Travel and migration
Soei KI; van der Kaay HJ
1980 Acta Leidensia 48 43-46 Wa
Tunga penetrans, case report, Dutch woman who had spent her holiday in Surinam

Disease transmission, Travel and migration
Stanghellini A; Duvallet G
1981 Tropenmed u Parasitol 32 (3) Sept 141-144 Wa
Trypanosoma gambiense, human, distribution in population by village, ethnic group, sex, and age, highest incidence among men in age-groups 10 to 30 and among immigrants from Upper Volta: Ivory Coast

Disease transmission, Travel and migration
Staples DC; Dale JA
1980 Gastrointest Endoscopy 26 (1) Feb 21-22
amebic liver abscess, 19-year-old man after visit to Mexico, aspiration of abscess using peritoneoscopic techniques to guide placement of needle in abscess cavity: California

Disease transmission, Travel and migration
Sudomo M et al
1980 Southeast Asian J Trop Med and Pub Health 11 (4) Dec 451-460 Wa
Brugia malayi, humans from indigenous village vs. those living in new Transmigration Scheme, incidence survey (host age and sex distribution) and transmission study, incidence in domestic cats, periodicity, survey for potential vectors: East Kalimantan, Indonesia

Disease transmission, Travel and migration
Sulzer AJ et al
1981 Ann Trop Med and Parasitol 75 (4) Aug 375-381 Wm
Plasmodium vivax, human, malaria antibody (indirect immunofluorescence) and parasitaemia patterns in one immune (native Jivaro Indians) and one non-immune (oil field workers) population in malarious area of northern Peru

Disease transmission, Travel and migration
Sun T
1980 Am J Trop Med and Hyg 29 (6) Nov 1223-1227 Wa
clonorchiasis, human, 4 case reports, 2 in American residents who contracted infection during visits to endemic areas and 2 in Hong Kong patients with unusual pathologic changes (egg-granuloma of liver and adenoma of bile duct)

Disease transmission, Travel and migration
Torres-Rojas JR; Rothschild H; Krotoski WA
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 1-4 Wa
tropical splenomegaly syndrome in nontropical setting, human, case report, elevated antibody titers to Plasmodium falciparum returned to normal after antimalarial therapy and splenectomy: Hotel Dieu Hospital, New Orleans, Louisiana (previous resident of Honduras)

Disease transmission, Travel and migration
Warren KS
1980 Hosp Pract 15 (1) Jan 110-127 Wm
potential hazards for travellers to areas of endemic tropical diseases, brief review for physicians includes: trypanosomiasis, amoebiasis, schistosomiasis, malaria, leishmaniasis, giardiasis, filariasis, loiasis

Disease transmission, Travel and migration
Warwick R; Swimer GJ; Britt RP
1980 J Roy Soc Med 73 (5) May 333-336 Wa
Plasmodium vivax in Asians (either new immigrants or United Kingdom resident Asians returning from holidays), prolonged incubation period of imported infections, seasonal factors: London

Disease transmission, Travel and migration
Wassilew SW
1980 Ztschr Hautkrankh 55 (21) Nov 1 1418-1424 Wm
prophylactic and therapeutic measures in tourist dermatoses, includes mention of scabies, cutaneous larva migrans, and cutaneous leishmaniasis

Disease transmission, Travel and migration
Wattre P et al
1980 Nouv Presse Med 9 (5) Jan 26 305-309 Wm
Echinococcus granulosus, immunodiagnostic methods used to confirm classical clinical and radiological diagnostic data and to conduct post-therapeutic surveillances, high prevalence of infection in immigrant workers vs native population in France

Disease transmission, Travel and migration
Young EJ
1980 Hosp Pract 15 (2) Feb 140-148 Wm
Plasmodium species (further identification attempted unsuccessfully), man who had travelled to endemic area, case report, clinical aspects, diagnostic problems: Texas

Disease transmission, Travel and migration
Zuidema PJ
1981 Trop and Geogr Med 33 (1) Mar 30-35 Wa
Schistosoma mansoni (possibly strain not well adapted to man), Katayama syndrome in Dutch tourists to the Omo National Park, epidemiology, pathology, clinical findings: Ethiopia

Disease transmission, Travel and migration
Zulik R; Nemeskeri M
1981 Orvosi Hetilap 122 (2) Jan 11 99-100 Wm
Plasmodium vivax, man, case report, infected while in Nigeria, problems of prophylactic control, antimalarial recommendations: Hungary

Disease transmission, Venereal
Chapel TA et al
1979 Sex Transmit Dis 6 (4) Oct-Dec 257-260 Wm
Phthirus pubis, incidence survey in clinic for treatment of sexually transmitted diseases, clinical findings, diagnosis, epidemiology and associated sexually transmitted diseases

Disease transmission, Venereal
Current WL
1980 J Protozool 27 (3) Aug 278-287 Issued Oct 9 Wa
Cryptobia sp., 2 populations (attached and free swimming) within spermatheca of Triadopsis multilineata, fine structure of attached flagellates and their mode of attachment to spermatheca, venereal mode of transmission suggested: Platte River near Louisville, Sarpy Co., Nebraska

Disease transmission, Venereal
Dubey JP; Sharma SP
1980 Am J Vet Research 41 (5) May 794-795 Wa
Toxoplasma gondii, prolonged excretion in semen of goats (exper.), venereal transmission remains undetermined

Disease transmission, Venereal
Felman YM
1981 Bull N York Acad Med 2 s 57 (3) Apr 201-206 Wa
Entamoeba histolytica, Giardia lamblia, human, sexual transmission, approaches to control, symposium presentation

Disease transmission, Venereal
Felman YM; Nikitas JA
1980 N York State J Med 80 (5) Apr 781-783 Wm
diagnosis and treatment of sexually transmitted diseases, equipment necessary to set up a physician's office, includes information on trichomoniasis and scabies

Disease transmission, Venereal
Heller M
1980 Ann Emergency Med 9 (9) Sept 487-493 Wm
Entamoeba histolytica, Giardia lamblia and other intestinal parasites, common problem of homosexual patients in the hospital emergency department, clinical management, suggested treatment schedules

Disease transmission, Venereal
Hurwitz AL; Owen RL
1978 West J Med San Francisco 128 (1) Jan 89-91 Wm
intestinal protozoa, humans, venereal transmission, clinical management, case reports: San Francisco

Disease transmission, Venereal
Judson FN et al
1980 Am J Epidemiol 112 (6) Dec 836-843 Wa
sexually transmitted diseases, comparative prevalence rates in heterosexual and homosexual men, includes incidence of pediculosis and scabies: Denver metropolitan area

Disease transmission, Venereal
Keystone JS; Keystone DL; Proctor EM
1980 Canad Med Ass J 123 (6) Sept 20 512-514 Wa
intestinal parasites, homosexual men, prevalence, symptoms, and factors in transmission: Toronto, Canada

Disease transmission, Venereal
Klein JR
1980 Pediat Clin North Am 27 (1) Feb 141-152 Wm
sexually transmitted diseases in adolescents, includes Trichomonas vaginalis

Disease transmission, Venereal
McCormack WM et al
1981 Am J Obst and Gynec 139 (2) Jan 15 130-133 Wa
sexually transmitted conditions among women college students, survey, includes Trichomonas vaginalis; scabies and pediculosis pubis were not encountered

Disease transmission, Venereal
McMillan A
1980 Scottish Med J 25 (1) Jan 33-35 Wm
intestinal parasites, homosexual men, incidence survey at sexually-transmitted disease clinic in Glasgow, Scotland

Disease transmission, Venereal
Malyszko E; Zajac W
1980 Przegl Dermat 67 (1) Jan-Feb 53-61 Wm
Trichomonas vaginalis, humans, role of sexual contact and extrasexual routes in the spread of infections

Disease transmission, Venereal
Marr JS
1981 Bull N York Acad Med 2 s 57 (3) Apr 188-200 Wa
amebiasis, human, changing pattern of transmission in New York City, current epidemic among homosexual men in West Village, symposium presentation

Disease transmission, Venereal
Mason PR
1980 South African Med J 58 (21) Nov 22 857-859 Wm
Trichomonas vaginalis, humans, sexually transmitted infections, current concepts

Disease transmission, Venereal
Omer EE; Ali MH; Erwa HH
1980 Trop Doctor 10 (3) July 99-102 Wm
sexually transmitted diseases in Sudanese women, includes information on Trichomonas vaginalis

Disease transmission, Venereal
Osoba AO
1979 West African J Pharmacol and Drug Research 5 (1) 37-44 Wm
Medical treatment of sexually transmitted diseases in developing countries, humans, trichomoniasis briefly discussed

Disease transmission, Venereal
Owen WF jr
1980 Ann Int Med 92 (6) June 805-808 Wa
enteric pathogens in homosexual men

Disease transmission, Venereal
Pec J; Jedinak J; Moravcik P
1981 Ceskoslov Dermat 56 (2) Apr 119-124 Wm
Trichomonas vaginalis, women, concomitant gonorrhoeal infections, highest incidence in those 15-24 years old and in those with multiple sexual partners

Disease transmission, Venereal
Phillips SC et al
1981 N England J Med 305 (11) Sept 10 603-606 Wa
enteric protozoa and helminths, sexual transmission in a venereal-disease-clinic population, prevalence, association between infection and gender, sexual preference, and sexual practice

Disease transmission, Venereal
Pomerantz BM; Marr JS; Goldman WD
1980 Bull N York Acad Med 56 (2) Mar 232-244 Wa
amoebiasis, humans, epidemiological survey 1958-1978, sex ratios, distribution in New York City and its boroughs, identification of male homosexual high risk population

Disease transmission, Venereal
Sohn N; Robilotti JG jr
1977 Am J Gastroenterol 67 (5) May 478-484 Wm
colonic and rectal conditions in 200 male homosexuals, includes Entamoeba histolytica and other protozoal infections

Disease transmission, Venereal
William DC
1981 Cutis 27 (3) Mar 278-285 Wm
Entamoeba histolytica, Giardia lamblia, humans, growing incidence as sexually transmitted enteric infection, pathogenesis, clinical signs, diagnostic methods, therapy, follow-up management

Disease transmission, Venereal
Yanga K; Lusanga NK; Kabuiku P
1978 Afrique Med (163) 17 Oct 561-653 Wm
trichomoniasis, humans, urogenital infections, effects of polygamy, therapeutic regimens compared

Disease transmission, Venereal
Ylvisaker JT; McDonald GB
1980 Western J Med 132 (2) Feb 153-157 Wa
Entamoeba histolytica, two homosexual men presenting amebic colitis and liver abscess, diagnostic difficulties, evidence that sexually transmitted amebiasis can be virulent illness

Disease transmission, Water [See also Disease transmission, Feces; Irrigation]

Disease transmission, Water
Abolarin MO
1981 Trop and Geogr Med 33 (1) Mar 83-88 Wa
Guinea worm infection in Nigerian villagers, epidemiological survey indicates source of infections is a cyclops-infested, man-made cattle pond near their village, pond water used for drinking and various domestic purposes: Wawa village, Kwara State, Nigeria

Disease transmission, Water
Albaret JL et al
1980 Ann Parasitol 55 (5) Sept-Oct 541-552 Wa
Fasciola gigantica, Senegalese strain, ciliated cells and argentophilic structures of miracidium, emission and chaetotaxy of cercaria, ability of cercariae to encyst on surface of water, epidemiological implications

Disease transmission, Water
Appleton CC; Bruton MN
1979 Ann Trop Med and Parasitol 73 (6) Dec 547-561 Wa
schistosomiasis, epidemiology in vicinity of Lake Sibaya and in other areas of Tongaland, distribution, prevalence, snail host ecology, human and stock contact with different types of waterbodies: Natal, South Africa

Disease transmission, Water
Bonnefoy X; Isautier H
1978 Bull Soc Path Exot 71 (1) Jan-Feb 70-78 Wa
helminthiasis, human, prevalence in 1972 vs. 1976, influence of sanitation, precipitation, urban vs. rural habitat, water quality: Reunion Island

Disease transmission, Water
Bunnag T et al
1980 Southeast Asian J Trop Med and Pub Health 11 (4) Dec 559-565 Wa
health survey (including serological and intradermal tests for Schistosoma japonicum and stools for intestinal parasites) for possible health hazards of the water resources development, residents in the area of the Phitsanulok Irrigation Project, Nan River Basin, Northern Thailand

Disease transmission, Water
Cheesmond A
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 691-692 Wa
Schistosoma mansoni, migrant workers, sociologically distinct groups, water contact behavior patterns in relation to risk of infection: Gezira, Sudan

Disease transmission, Water
Cheesmond AK; Fenwick A
1981 J Trop Med and Hyg 84 (3) June 101-107 Wa
Schistosoma mansoni, 12-month study of excretory behaviour of resident and migrant labourers undertaken to contribute information for control strategy in endemic area, study results show only limited regular contamination of water bodies with S. mansoni eggs: Gezira, Sudan

Disease transmission, Water
De Jonckheere JF
1979 Ann Microbiol 130 B (2) Aug-Sept 205-212 Wm
survey of pathogenic free-living amoebae in swimming pools, pathogenicity for mice: Belgium

Disease transmission, Water
De Jonckheere JF
1981 J Protozool 28 (1) Feb 56-59 Issued June 18 Wm
Acanthamoeba, pathogenic and nonpathogenic species in thermally polluted discharges and surface waters in spring and autumn; superiority of plaque method over filtration technique for isolation: Belgium

Disease transmission, Water
Edungbola LD
1980 Acta Trop 37 (1) Mar 73-81 Wa
patterns of water utilization and public health implications in Ilorin, Kwara State, Nigeria

Disease transmission, Water
Henry FJ
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 507-513 Wa
children studied with regard to anthropometry, intestinal helminths (Ascaris and Trichuris), diarrhoeas and other illnesses, findings related to different levels of sanitation and water supplies, possibility of malnutrition being secondary to illness rather than primary: St. Lucia, West Indies

Disease transmission, Water
Jarroll EL jr; Bingham AK; Meyer EA
1980 Am J Trop Med and Hyg 29 (1) Jan 8-11 Wa
Giardia, effect of 6 emergency water disinfection methods on cyst viability, variations with contact time, temperature, and water quality

Disease transmission, Water
Jarroll EL; Bingham AK; Meyer EA
1981 Applied and Environment Microbiol 41 (2) Feb 483-487 Wa
Giardia lamblia, effect of chlorine on cyst viability under variety of conditions of temperature, pH, chlorine-cyst contact time, and chlorine concentration, epidemiological implications

Disease transmission, Water
Johnson S; Joshi V
1979 Tr Indian Soc Desert Technol and Univ Cent Desert Studies 4 (2) July 79-83 Wa
Dracunculus medinensis, humans, epidemiologic survey in 18 villages, incidence by sex, age, and caste of host, duration of infection, water supply as source of contamination: Jodhpur District, Rajasthan

Disease transmission, Water
Jordan P; Christie JD; Unrau GO
1980 Acta Trop 37 (2) June 95-135 Wa
schistosomiasis transmission, review with particular reference to possible ecological and biological methods of control

Disease transmission, Water
Kloos H; Lemma A
1980 Ethiop Med J 18 (3) July 91-98 Wm
Schistosoma mansoni, humans, epidemiology, in depth study of water contact patterns according to exposure and contamination of local waters, applications for local control project: Tensae Berhan town, Ethiopia

Disease transmission, Water
Lawande RV et al
1980 Am J Trop Med and Hyg 29 (1) Jan 21-25 Wa
Naegleria fowleri identified in Muslim farmer with fatal primary amebic meningoencephalitis, case report, disease contracted during ritual washing which involved sniffing water up nose before prayers, organism also isolated from water and soil from pond used as water source: Nigeria

Disease transmission, Water
Lemma A et al
1979 Ethiop Med J 17 (3) July 63-74 Wm
Schistosoma mansoni, human, prevalence in relation to host age, sex, type of water source used, occupation, and socio-economic level; clinical observations; seasonal snail occurrence, speciation, and infection: Tensae Berhan, Ethiopia

Disease transmission, Water
Lopez CE et al
1980 Am J Epidemiol 112 (4) Oct 495-507 Wa
Giardia lamblia, clinical, epidemiological, and laboratory aspects of communitywide outbreak of gastrointestinal illness; water implicated as source of infection with either humans or Castor canadensis responsible for contaminating source water: Berlin, New Hampshire

Disease transmission, Water
Luchtel DL; Lawrence WP; DeWalle FB
1980 Applied and Environment Microbiol 40 (4) Oct 821-832 Wa
Giardia lamblia cysts, scanning and transmission electron microscopy, flexibility of cyst wall results in experimental difficulties with membrane filtration of cysts in aqueous suspension, findings point to potential difficulties in removing cysts from water with present water treatment technology

Disease transmission, Water
Norman SH; Kreutner A jr
1980 South Med J 73 (3) Mar 297-300 Wm
sparganosis, humans, subcutaneous tissue masses, pathology and clinical aspects of 10 cases, most likely route of infection in man is through drinking impure water: Southeastern United States

Disease transmission, Water
Rice EW; Hoff JC
1981 Applied and Environment Microbiol 41 (3) Sept 546-547 Wa
Giardia lamblia cysts found to be resistant to high doses of germicidal ultraviolet radiation, findings suggest that ultraviolet irradiation at conventional doses is not viable alternative method of water disinfection in areas where G. lamblia may be present

Disease transmission, Water
Ripert C et al
1979 Bull Soc Path Exot 72 (4) July-Aug 324-339 Wa
vector-borne parasitic infections of humans, results of environmental impact study of possible health problems that could result from construction of multiple dam water system, suggested control measures: Monts Mandara, Nord-Cameroun

Disease transmission, Water
Rivera F et al
1981 J Protozool 28 (1) Feb 54-56 Issued June 18 Wa
Naegleria and Acanthamoeba among protozoa found polluting bottled mineral waters in Mexico

Disease transmission, Water
Tayo MA; Pugh RNH; Bradley AK
1980 Ann Trop Med and Parasitol 74 (3) June 347-354 Wa
Schistosoma haematobium study area, human water-contact activities, frequency, degree of bodily contact with water, diurnal variation, age and sex differences, dry vs. wet season, implications for schistosomiasis transmission and control: Ruwan Sanyi dam, Malumfashi District, northern Nigeria

Disease transmission, Water
Theron A
1980 Rev Epidemiol et San Pub 28 (1) Apr 30 131-139 Wm
Schistosoma mansoni, measurement of cercarial density in local running water used to assess potential risk of human contamination in an endemic area: Guadeloupe

Disease transmission, Water
Warhurst DC; Carman JA; Mann PG
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 832 Wa
Naegleria fowleri, survival of cysts at 4°C for 8 months with retention of virulence, indicates cysts produced in temperate waters may survive prolonged winter

Distribution in host See Localization

Diurnal rhythms See Periodicity

Dominican Republic
Collins RF; Edwards LD
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 549-551 Wa
intestinal helminths and protozoans, prevalence in rural population segment of Dominican Republic

Drug resistance See Resistance, Drug

Drugs, Mode of action [See also Pharmacology]

Drugs, Mode of action
Albonico SM; Pizzorno MT; Montiel AA
1980 Medicina Buenos Aires 40 Suppl (1) 5-9 Wm
Trypanosoma cruzi, in vitro, trypanocidal activity of 100 compounds containing N-substituted indole structures screened for structure activity relationships

Drugs, Mode of action
Al-Dabagh MA et al
1981 J Parasitol 67 (5) Oct 709-712 Wa
Echinococcus granulosus, effect of mebendazole on sheep hydatid cysts as demonstrated by electron microscopy

Drugs, Mode of action
Ambu S; Mak JW
1981 Southeast Asian J Trop Med and Pub Health 12 (2) June 228-230 Wa
Angiostrongylus malaysiensis-infected rats (exper.), subcutaneous treatment with mebendazole or flubendazole, drugs possibly act against parasite intestinal cells

Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Drugs, Mode of action
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Drying See Desiccation

Duodenum See Intestine

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Ecdysis
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1981 Austral J Zool 29 (1) 7-14 Wa
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Ecdysis
Heath ACG
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Haemaphysalis longicornis, Ixodes holocyclus, Rhipicephalus sanguineus, engorged larvae, effect of temperature and humidity on survival, molting, and rate of development, temperature and humidity preferences reflected climate within geographic ranges of tick species

Ecdysis
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Ecdysis
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Ecdysis
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1980 Exper Parasitol 49 (1) Feb 128-136 Wa
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Ecdysis
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Dermacentor albipictus, timing of ecdysis and spermatogenesis, % of males and females ecdysing from ticks collected as engorged nymphs

Ecdysis
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Caledoniella montrouzieri on Gonodactylus viridis, parasitism increased molting intervals and lowered molting rate but had no effect on host growth per molt, oviposition was completely inhibited: Phuket, Thailand

Ecdysis
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1980 Med Parazitol i Parazitar Bolezni 49 (4) July-Aug 42-48 Wa
Ornithodoros spp. nymphs, duration of molting under experimental conditions, effect of population size and density

Ecdysis
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1980 J Parasitol 66 (2) Apr 356-359 Wa
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Ecdysis
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Rhipicephalus appendiculatus (4 strains), effect of range of constant temperatures during pre-moult and post-moult period of engorged nymphs on their moulting, on development of several stocks of Theileria parva within the ticks, and on resultant infection levels of T. parva in salivary glands of the adult ticks

Ecology [See also Adaptation; Crowding]

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intestinal nematodes of man, distribution, prevalence and intensity by host age, effect of environmental influences, special reference to Strongyloides cf. fuelleborni: Papua New Guinea

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Ecology
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Gymnophallus nereicola, biological and ecological factors favoring parasite recruitment by Nereis diversicolor (parasite endemiotope, cercarial emergence, cercarial behavior (swimming, phototropism, rheotropism), cercarial access to and penetration of host, localization of metacercariae in host)

Ecology
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Ecology
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Dermacentor silvarum, duration of development of different life cycle stages at various temperatures, implications for distribution in nature

Ecology
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parasites of Liopsetta putnami, prevalence and intensity, seasonal variations, host age, frequency distributions, pathogenicity (only noted for Glugea stephani), intra-estuarine variation in parasite occurrence and abundance as possible indicator of host movement and in relation to diversity of free-living community: Great Bay Estuary, New Hampshire

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Bulinus globosus (intermediate host of Schistosoma haematobium) in a tropical swamp, seasonal changes in distribution and abundance of populations in relation to lake level fluctuations and other changes in physico-chemical environment, field data; effect of different levels of dissolved oxygen on snail distribution and rate of movement, laboratory experiments: Malawi

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Ecology
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Ecology
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Ecology
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Ixodes trianguliceps, geographic distribution, ecology (seasonal fluctuation, altitude and biotope comparisons, mixed infestations), life cycle: Suisse

Ecology
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Ecology
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Ornithodoros verrucosus and O. alactagalis feeding on various amphibians and reptiles in different types of biotopes and landscape areas: Georgian SSR

Ecology
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1981 Internat J Parasitol 11 (2) Apr 169-175 Wa
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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Ecology
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criticisms of application of island biogeography theory to situation involving animal hosts as islands for parasites

Ecology
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Ecology
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1981 J Fish Biol 18 (6) June 693-713 Wa
metazoan parasites of open water fishes, prevalence and intensity, relative abundance of parasites and hosts, parasite assemblages (communities), diversity, dominance patterns, exchange of parasites between hosts, proportion of larval parasites, comparison with other lakes: Cold Lake, Alberta, Canada

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weather and the ecology of bursate nematodes, review

Ecology
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Ecology
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1975 Parazitologiia Leningrad 9 (4) July-Aug 348-351 Wa
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Ecology
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Ecology
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Ecology
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Ecology
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Hymenolepis diminuta, intestine as an environment, review

Ecology
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Ecology
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1979 Ang Parasitol 20 (2) June 57-62 Wa
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Ecology
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Ecology
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Ecology
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trematodes parasitic in oral cavity, pharynx, or esophagus of birds and snakes or in cloaca of birds, ecological role of dilation of distal portion of uterus or a sac-shaped uterus, time of egg laying depends on frequency of some functions (food capture, swallowing, defecation) of host organs inhabited by these trematodes

Ecology
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Caligus minimus, adults and larvae on Dicentrarchus labrax, site of attachment on host, incidence, intensity, and dispersal of infections, host size, parasite sex ratio, seasonal and/or annual fluctuations, temperature and salinity conditions: Bardawil Lagoon

Ecology
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1980 J Parasitol 66 (1) Feb 81 Wa
Monogenea of temperate zone host (Micropterus salmoides) 28 years after introduction into tropical environment, abundance seems to be limited by water temperatures: Puerto Rico

Ecology
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1978 Parassitologia 20 (1-3) Dec 143-152 Wa
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Ecology
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Monogenea, number of species per marine fish species increases from high to low latitudes and is much greater in Pacific vs. Atlantic Ocean, suggested that differences are due to more advanced evolution at low latitudes and in Pacific Ocean

Ecology
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Ecology
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Ecology
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Ecology
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Ecology, Populations
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Ecology, Populations
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Ecology, Populations
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1979 Rev Saude Pub S Paulo 13 (4) Dec 299-313 Wm
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Ecology, Populations
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Ecology, Populations
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Ixodes trianguliceps, geographic distribution, ecology (seasonal fluctuation, altitude and biotope comparisons, mixed infestations), life cycle: Suisse

Ecology, Populations
Gruner L et al
1980 Ann Recherches Vet 11 (2) 133-140 Wa
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Corynosoma strumosum and C. semerme in Pusa hispida, comparison between spring and autumn infection, intensity of infection, parasite sex ratio and body length, distribution of worms in intestines: Bothnian Bay of Baltic Sea

Ecology, Populations
Hirsch RP
1980 Internat J Parasitol 10 (4) Aug 243-248 Wa
Polymorphus minutus, patterns of distribution in Gammarus pulex, statistical analysis of Hynes & Nicholas' (1963) data, comparison with Crofton's (1971) conclusions based on same data

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Ecology, Populations
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ecological control of fleas on rodents, habitat capacity, exchange of fleas on and off the host, over abundance of fleas leads to shortened period on host which is long enough to feed but not long enough to obtain blood hormones necessary for reproduction

Ecology, Populations
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1980 Am Midland Naturalist 103 (2) Apr 360-366 Wa
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Ecology, Populations
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1981 J Fish Biol 19 (2) Aug 221-236 Wa
eyeflukes in Perca fluviatilis, long term studies on population biology: Diplostomum gasterostei, changes in infrapopulation size (monthly and annual changes in infection levels in all perch and in young perch only, changes in frequency distribution); Tylodelphys clavata, changes in infrapopulation size (monthly and annual changes in infection levels in all perch and in young perch only); interactions between species; Tylodelphys podicipina, changes in infrapopulation size: Slapton Ley, Devon

Ecology, Populations
Kennedy CR
1981 Parasitology 82 (2) Apr 245-255 Wa
Tylodelphys podicipina, introduction, establishment, and population biology in perch in small lake, changes in prevalence, intensity, and dispersion of infection in each year class of host over period of 2 years, no evidence of parasite-induced host mortality: Britain

Ecology, Populations
Kennedy CR; Burrough RJ
1981 J Fish Biol 19 (1) July 105-126 Wa
Ligula intestinalis in Rutilus rutilus, introduction, establishment, and subsequent history of parasite population: origin of infection; distribution of infections in relation to size and age of fish; seasonal and annual changes in infection levels and within Ligula population (prevalence and intensity of infection, growth of parasite, index of parasitization, frequency distribution): Slapton Ley, Devon, U.K.

Ecology, Populations
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1980 Parasitology 81 (2) Oct 405-421 Wa
Hymenolepis diminuta in Tribolium confusum, relationship between number of exposures to infection and number and size of cysticercoids harbored per host, influence of parasite burden on host fecundity and host mortality, significance of these effects in relation to overall population dynamics of host-parasite association

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Hymenolepis diminuta, population dynamics in Tribolium confusum: relationship between number of exposures to infection and resultant parasite burden per host; relationships between cysticercoid density, age, and infectivity; relationship between infective-stage density and resultant parasite burden per host (transmission to intermediate host; transmission to definitive host); influence of infection on intermediate host population growth

Ecology, Populations
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Orthohalarachne attenuata and O. diminuata in Callorhinus ursinus (respiratory passages), infestation rate, pathology, population densities and structure, microhabitat preference, sex and age of host: St. Paul Island, Alaska

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natural selection and distribution of nematode sizes, habitat constraints, life history strategies, and physiology as factors

Ecology, Populations
Kitron UD
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Gammaridacarus orchestoideae on Orchestoidea corniculata, prevalence and intensity, seasonal variation, host sex, host size (age), host moult stage, reproductive condition of female hosts, frequency distribution of number of parasites per host, mean crowding index, patchiness, index of host mortality, field and laboratory observations: California

Ecology, Populations
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1980 J Parasitol 66 (5) Oct 806-810 Wa
Myxosoma funduli, overdispersed distribution among Fundulus kansae population; monthly infection prevalence and monthly host size class distribution; distribution on individual gill bars and % infected gill bars; prevalence, host size distribution, and host sex ratio at various collection sites with different physical characteristics: Platte River system, Nebraska

Ecology, Populations
Kolonin GV; Kiselev AN; Bolotin EI
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ixodid ticks, technique for absolute registration of adults on pastures, estimation of population densities from main landscape zones of eastern Sikhote-Alin

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1975 Parazitologiia Leningrad 9 (3) May-June 260-264 Wa
Ixodes ricinus, occurrence in areas with different types of vegetation, 3 types of distribution pattern: Lithuania

Ecology, Populations
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1979 Zool Zhurnal 58 (1) Jan 31-43 Wa
Ixodes persulcatus, Dermacentor silvarum, distribution patterns, low and high level populations characterized by different types of spatial structure: Amur-Bureva region of Amur-Baikal line

Ecology, Populations
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Ecology, Populations
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1978 J Med Entom 15 (1), Nov 7 1-10 Wa
Orchopeas howardi, radiolabeling techniques to study size and mobility of populations in laboratory colonies of Glaucomys volans and in mark-and-recapture experiments, influence of temperature and host density on flea population size, applications to field studies

Ecology, Populations
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1981 J Fish Biol 18 (6) June 693-713 Wa
metazoan parasites of open water fishes, prevalence and intensity, relative abundance of parasites and hosts, parasite assemblages (communities), diversity, dominance patterns, exchange of parasites between hosts, proportion of larval parasites, comparison with other lakes: Cold Lake, Alberta, Canada

Ecology, Populations
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1981 Am Naturalist 117 (3) Mar 308-315 Wa
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Ecology, Populations
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ecology of Triatoma infestans (Trypanosoma cruzi vector) in buildings studied using house demolition techniques

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1980 Proc Helminth Soc Washington 47 (2) July 247-255 Issued Aug 25 Wa
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African sleeping sickness, control by type of settlement, colonial vs. traditional methods, historical review: southeast Tanganyika

Ecology, Populations
Mills CA
1980 Internat J Parasitol 10 (4) Aug 287-291 Wa
Transversotrema patialense on Brachydanio rerio, (parasite) age- and density-dependent growth, increase in occurrence of reproductive abnormalities in old parasites

Ecology, Populations
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Ecology, Populations
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Gastromermis sp., Isomermis lairdi in Simulium damnosum, growth and sex-ratio of parasites: Mali

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1973 Canad J Zool 51 (7) July 787-792 Wa
Hunterella nodulosa in Catostomus commersoni, incidence, intensity, and population size distribution, weight and length of host, seasonal changes in frequency distribution of worm size classes: Nose Creek, near Calgary, Alberta

Ecology, Populations
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ecological interdependence of diet and disease (including parasitism) in tribal societies which favors survival of man, Western dietary changes may result in intensification of indigenous disease

Ecology, Populations
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1980 J Parasitol 66 (1) Feb 127-133 Wa
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Ecology, Populations
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Ecology, Populations
Muzzall PM
1980 J Parasitol 66 (3) June 542-550 Wa
caryophyllaeid cestodes in Catostomus commersoni, prevalence and intensity, seasonal infection patterns, intestinal distribution, crowding effect, effect of host size: SE New Hampshire

Ecology, Populations
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1981 Ann Parasitol 56 (1) 23-31 Wa
Trichomonas vaginalis, human, disturbs equilibrium of vaginal bacterial populations

Ecology, Populations
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1978 J Wildlife Dis 14 (2) Apr 263-268 Wa
Parelaphostrongylus tenuis in Cervus elaphus canadensis, sequential development of clinical signs, impact of neurologic disease on wapiti populations: Rachelwood Wildlife Research Preserve, Pennsylvania

Ecology, Populations
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Taenia hydatigena, dogs infected with 1, 5, 10, 20, or 40 cysticerci, worm sizes, weights, numbers, relative numbers of pre-gravid and gravid proglottids

Ecology, Populations
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hemiurid larval trematode-infected chaetognaths, morphological (gigantism) and behavioral (vertical migration to better-lit habitat) modifications, excess field mortality, lowered reproductive potential, contagious distribution of parasites within host population, may be optimal strategy to increase intermediate host predation by correct final host species and minimize damage to intermediate host population as a whole

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helminths of Taxidea taxus, intensity, Simpson's index, trellis diagram of similarity indexes, female-male ratio for Ancylostoma taxideae correlated with intensity of infection: Kansas; Texas

Ecology, Populations
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1980 J Parasitol 66 (1) Feb 115-120 Wa
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Ecology, Populations
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1980 J Wildlife Dis 16 (4) Oct 545-547 Wa
lice, Corvus cryptoleucus, host sex selection, parasite densities compared from consistently large and small ecologically distinct populations: New Mexico

Ecology, Populations
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1980 Monogr Population Biol (15) 237 pp Wa
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Ecology, Populations
Randolph SE
1980 J Parasitol 66 (2) Apr 287-292 Wa
Ixodes trianguliceps females, delayed mating decreases rate of engorgement and reduces reproductive output, ecological significance lies in fact that inverse density dependent factor may have destabilizing effect on tick population that might be exploited in control of ticks

Ecology, Populations
Rechav Y
1979 J Med Entom 16 (2) Sept 28 150-163 Wa
Amblyomma hebraeum, Rhipicephalus appendiculatus, R. evertsi evertsi, larvae, nymphs, adults, vertical and horizontal migration under field conditions, relationship among dispersal patterns, ecological factors (wind, humidity), and methods commonly used in studying tick populations

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[1980] Riv Parassitol Roma 39 (2-3) 1978 149-166 Issued Jan Wa
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1980 Bull Soc Path Exot 73 (2) Mar-Apr 182-191 Wa
Loa loa, human and simian infections, hypothesis concerning dynamics of ecology of Loa system

Ecology, Populations
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1975 Parazitologiia Leningrad 9 (4) July-Aug 305-311 Wa
effect of several factors on parasite fauna of fishes introduced into lakes of Karelia

Ecology, Populations
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1980 Bol Chileno Parasitol 35 (3-4) July-Dec 42-54 Wm
Trypanosoma cruzi, biological and ecological factors in epidemiological survey, incidence in humans, domestic and wild mammals, and in local vector Triatoma: Chile

Ecology, Populations
Schom C; Novak M; Evans WS
1981 Parasitology 83 (1) Aug 77-90 Wa
Hymenolepis citelli in Tribolium confusum, effect of host starvation prior to infection, parasite population size, host sex, and host genotype on host mortality or survival and on rate of parasite development, evaluation of results from genetic and evolutionary point of view

Ecology, Populations
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1981 J Parasitol 67 (1) Feb 77-84 Wa
Rhipicephalus appendiculatus, larvae, nymphs, adults, seasonal activity, vertical migration of adults on vegetation, influence of climatic factors (temperature, humidity, day length)

Ecology, Populations
Skorping A
1980 J Fish Biol 16 (5) May 483-492 Wa
Camallanus lacustris in Perca fluviatilis, pattern and structure of infection, seasonal incidence and intensity, site preference (gut) in host, host diet, sex, and size factors: Lake Lille Aklungen, vicinity of Oslo, Norway

Ecology, Populations
Skorping A
1981 J Fish Biol 18 (4) Apr 401-410 Wa
Bunodera luciopercae, seasonal dynamics in abundance, development, recruitment, and frequency distribution in Perca fluviatilis: lake in vicinity of Oslo, Norway

Ecology, Populations
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1980 Austral Vet J 56 (2) Feb 80-86 Wa
cattle nematodes, proportions of inhibited larvae in population make-up in 3 climatic regions, seasonal trends of inhibition may be due to strain differences, climatic factors, immunity, worm density-dependence: New South Wales

Ecology, Populations
Smith G
1981 Brit Vet J 137 (4) July-Aug 398-410 Wa
Fasciola hepatica, prevalence and intensity in sheep, cattle, and Lymnaea truncatula for period of 3 years in relation to weather and habitat microclimate, size-prevalence curves for snail hosts: Cumbria; Wales

Ecology, Populations
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1980 Am J Trop Med and Hyg 29 (3) May 467-472 Wa
parasites and pathogens in larval blackflies and their possible significance as regulatory factors upon natural populations of 3 onchocerciasis vectors: Guatemala

Ecology, Populations
Tanner CE; et al
1980 J Parasitol 66 (5) Oct 802-805 Wa
Trichinella spiralis, rabbits, nonrandom negative binomial distribution of parasite populations in host population under carefully controlled laboratory conditions, results indicate nonrandom overdispersion is intrinsic characteristic of this host-parasite association and that susceptibility factors (under presumed genetic control) should be considered seriously in mathematical models of parasites

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Leishmania mexicana amazonensis, L. hertigi subspp., methods for enzymic characterization, possible use in identification

Electrophoresis
Miles MA et al
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 524-529 Wa
Leishmania b. braziliensis, L. b. guyanensis, L. mexicana amazonensis, enzymic profiles, biochemical separation; inability to separate L. b. guyanensis from 4 stocks of L. b. panamensis by electrophoresis of 10 enzymes

Electrophoresis
Morel C; Simpson L
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1070-1074 Wa
Trypanosoma cruzi, characterization of stocks, strains, and clones by restriction endonuclease fingerprinting of kinetoplast DNA minicircles, technique should be useful for other pathogenic Trypanosomatidae

Electrophoresis
Musisi FL et al
1981 Research Vet Sc 30 (1) Jan 38-43 Wa
Theileria lawrencei-, T. parva-, and T. annulata-infected bovine lymphoblastoid cell lines, isoenzyme variants, promising method of distinguishing species or subspecies of Theileria but there are difficulties in identifying host and theilerian enzymes with certainty

Electrophoresis
Ramasamy R; Jamnadas H; Mutinga MJ
1981 Internat J Parasitol 11 (5) Oct 387-390 Wa
Leishmania promastigotes, proteins and surface proteins, electrophoretic analysis, differences between 2 strains likely to be Leishmania donovani (from kala-azar patient and from Phlebotomus martini) and Leishmania species from P. bedfordi, such differences may provide additional biochemical tools for classifying Leishmania: Kenya

Electrophoresis
Rassam MB; Al-Mudhaffar SA; Chance ML
1979 Ann Trop Med and Parasitol 73 (6) Dec 527-534 Wa
Leishmania spp., characterization of visceral and cutaneous stocks according to electrophoretic variation of enzymes: Iraq

Electrophoresis
Ready PD; Miles MA
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 238-242 Wa
Trypanosoma cruzi, delimitation of zymodemes by numerical taxonomy

Electrophoresis
Rioux JA et al
1980 Compt Rend Acad Sc Paris 291 s D Sc Nat (8) Oct 27 701-703 Wa
Leishmania infantum identified from 2 human cases of oriental sore on basis of electrophoretic analysis of 8 isoenzymes: Pyrenees Orientales

Electrophoresis
Rudminaitis EA; Kontrimavichus VL
1981 Dokl Akad Nauk SSSR 258 (2) 511-512 Wa
Filicollis anatis from different hosts, differences in protein electrophoretic patterns, taxonomic implications

Electrophoresis
de Sa MFG et al
1980 J Protozool 27 (3) Aug 253-257 Issued Oct 9 Wa
Crithidia brasiliensis sp. n. from Zelus sp. (alimentary tract contents), isolation and cloning, growth pattern, morphology, biochemical analyses (isoenzyme pattern, histone pattern, cleavage of kDNA with restriction endonucleases): Brasilia, Distrito Federal, Brazil

Electrophoresis
Sanderson A; Walliker D; Molez JF
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 263-267 Wa
Plasmodium falciparum, enzyme typing of freeze-dried and freshly cultured isolates from African and some other Old World countries

Electrophoresis
Sargeaunt PG et al
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 653-656 Wa
Entamoeba histolytica and other intestinal amoebae isolated from hospital patients, identification by isoenzyme electrophoretic patterns, separation into groups which may indicate pathogenicity: Mexico City

Electrophoresis
Sargeaunt PG; Williams JE; Neal RA
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 469-474 Wa
Entamoeba histolytica, 'Entamoeba histolytica-like' amoebae, E. moshkovskii, E. invadens, E. chattoni, grouping according to isoenzyme electrophoretic patterns, E. polecki is indistinguishable from E. histolytica

Electrophoresis
Schnur LF et al
1981 Ann Trop Med and Parasitol 75 (2) Apr 131-144 Wa
Leishmania strains isolated in Old and New World from human visceral cases, dogs, and wild animals thought to be reservoirs of human visceral leishmaniasis, biochemical and serological taxonomy (nuclear and kinetoplast DNA buoyant densities, excreted factor serotypes, and electrophoretic mobilities of enzymes), ability of L. tropica-like organisms to visceralize, non-L. tropica organisms considered as essentially being single complex that is widely distributed in world

Electrophoresis
Shirley MW; Rollinson D
1979 Symposia Brit Soc Parasitol 17 7-30 Wa
Eimeria spp., recognition and characterization of populations, review: established approaches (morphology, site and host specificity, pathogenicity, immunological specificity), new approaches (enzyme electrophoresis, genetic studies, DNA buoyant density analyses)

Electrophoresis
Southgate VR et al
1980 Ztschr Parasitenk 63 (3) 241-249 Wa
Schistosoma bovis isolate from Tanzania, egg morphology, snail infection experiments, enzyme types identified by isoelectric focusing, intraspecific variation

Electrophoresis
Tait A
1980 Nature London (5782) 287 Oct 9 536-538 Wa
Trypanosoma brucei brucei, series of isolates screened for electrophoretic variation in 19 enzymes, strong evidence that trypanosomes are diploid and undergo random mating and recombination

Electrophoresis
Tait A
1981 Molec and Biochem Parasitol 2 (3-4) Feb 205-218 Wa
Plasmodium falciparum, proteins of cultured isolates, labelling with [$^{35}$S]methionine, analysis of variation by two-dimensional gel electrophoresis, technique can be applied to strain typing of malaria parasites

Electrophoresis
Thaithong S; Sueblinwong T; Beale GH
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 268-270 Wa
Plasmodium falciparum, enzyme typing of some isolates from Thailand and Cambodia

Electrophoresis
Tibayrenc M; Cariou ML; Solignac M
1981 Compt Rend Acad Sc Paris 292 s III Sc Vie (9) Mar 2 623-625 Wm
Trypanosoma cruzi (several strains), T. rangeli, Leishmania b. brasiliensis, analysis of enzyme variability, genetic interpretation of zymograms

Electrophoresis
Visvesvara GS; Healy GR
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 411-412 Wa
Naegleria fowleri, N. gruberi, differences in disc electrophoretic patterns of esterase isoenzymes

Electrophoresis
Wang F; Yang G; Wang X
1980 Chinese Med J 93 (12) Dec 857-860 Wm
Disc electrophoretic studies of hookworms: Preliminary comparison of protein fraction in adult Necator americanus, Ancylostoma duodenale and Ancylostoma caninum, species differentiation

Electrophoresis
Wright CA; Ross GC
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 326-332 Wa
Schistosoma haematobium, S. mattheei, laboratory-bred hybrids, natural hybrids from human infections in Transvaal, biological features, identification by isoelectric focusing of enzymes, possible practical implications

Electrophoresis
Zillmann U; Voelker J
1980 Tropenmed u Parasitol 31 (1) Mar 15-20 Wa
Paragonimus ecuadoriensis, species characterization by isoenzyme electrophoresis, comparison with P. africanus and P. uterobilateralis

Elephantiasis [See also Lymphatic system]

Elephantiasis
Carme B et al
1978 Bull Soc Path Exot 71 (6) Nov-Dec 465-471 Wa
Wuchereria bancrofti var. pacifica, humans with elephantiasis, biological aspects (microfilaremia, eosinophilia, immunoglobulins, specific antibodies in passive agglutination): French Polynesia

Elephantiasis
Carme B; Gentilini M
1980 J Mal Vasc 5 (2) 100-104 Wm
Wuchereria bancrofti, Brugia malayi, human lymphoedema and elephantiasis due to filariasis, pathogenesis and clinical aspects

Elephantiasis
Carme B; Laigret J
1978 Bull Soc Path Exot 71 (6) Nov-Dec 455-465 Wa
Wuchereria bancrofti var. pacifica, humans, elephantiasis and lymphatic involvement, incidence and localization (surveyed according to sex), some epidemiological factors: French Polynesia

Elephantiasis
Carme B; Laigret J; Gentilini M
1980 Ann Soc Belge Med Trop 60 (1) Mar 33-45 Wa
Wuchereria bancrofti var. pacifica, population of French Polynesia, incidence of elephantiasis and microfilaraemia, survey 1975-1976, findings compared with those of surveys prior to start of antifilarial control program

Elephantiasis
Ewert A; Reitmeyer JC; Folse D
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 32-39 Wa
Brugia malayi, cats, repeated infection with exposure to opportunistic streptococcus enhances production and persistence of edematous and fibrotic tissues surrounding affected lymphatics

Elephantiasis
Sordillo EM et al
1981 J Dermat Surg and Oncol 7 (3) Mar 235-239 Wm
lymphangiosarcoma arising in a chronic lymphedema of filarial origin, man, case report, had been treated 20 years previously in Ghana for filariasis: New York

Elevation See Altitude

Embryology [See also Development]

Embryology
Ansari MZ; Singh KS
1981 Indian J Animal Sc 51 (4) Apr 459-465 Wa
Gaigeria pachyscelis, goats, sheep, monthly incidence and intensity of infection, effect of temperature and relative humidity on embryonic development and hatching of eggs and on formation of pre-parasitic larval stages: abattoir of Bareilly, India

Embryology
Chauhan PPS; Pande BP
1981 Indian J Animal Sc 51 (4) Apr 439-445 Wa
Neoascaris vitulorum, bubaline and bovine strains, embryonic development of eggs up to infective stage, morphology of first- and second-stage larvae

Embryology
Ho Y; Yang H
1979 Tung Wu Hsueh Pao (Acta Zool Sinica) 25 (4) Dec 304-310 Wa
Schistosoma japonicum, embryonic development, histology and histochemistry, nature of in vivo circumoval precipitates

Embryology
Levenbook L; Boctor FN; Fales HM
1980 J Insect Physiol 26 (6) 381-383 Wa
Dermacentor andersoni, free sugars in eggs, embryos, and adult haemolymph

Embryology
Loehr KA; Mead RW
1980 J Parasitol 66 (5) Oct 792-796 Wa
Hymenolepis citelli, changes in embryonic cell frequencies in germinative and immature regions, correlation with changes in wet weight (growth rate) and developmental stages

Embryology
Petit G
1981 Ann Parasitol 56 (1) 81-93 Wa
Dipetalonema dessetae, role of $R_1$ cell in elaboration of musculature of adult filaria, ultrastructural analysis

Embryology
Siuda K
1981 Folia Biol Warszawa 29 (1) 9-39 Wa
Argas polonicus, effect of temperature and relative humidity on embryonic development and egg hatch, laboratory study

Embryology
Thornton DP; Brust RA
1979 Canad J Zool 57(8) Aug 1710-1712 Wa
Romanomermis communensis, embryonic development at different temperatures

Encephalitis [See also Encephalomyelitis; Meningoencephalitis]

Encephalitis
Conley FK; Jenkins KA
1981 Infect and Immun 31 (3) Mar 1184-1192 Wa
Toxoplasma gondii, immunohistological study of anatomic relationship of parasite antigens to inflammatory response in brains of chronically infected mice, use of peroxidase-antiperoxidase staining technique

Encephalitis
Martinez AJ et al
1980 Acta Neuropath Berlin 49 (1) Jan 7-12 Wm
free-living amoeba (possibly Vahlkampfia other than V. avara) causing granulomatous encephalitis, intracranial arteritis, and mycotic aneurysm, 26-month-old child, clinical case review, had waded in Nachez River, Texas

Encephalitis
Martinez AJ et al
1980 Acta Neuropath Berlin 51 (2) 85-91 Wm
Acanthamoeba sp. causing granulomatous amebic encephalitis, humans, presentation of cerebral mass lesions, clinical and brain biopsy or autopsy findings in 6 cases, emphasis on differential diagnosis

Encephalitis
Richardson JA et al
1980 Avian Dis 24 (2) Apr-June 498-503 Wa
Baylisascaris procyonis in chickens (brain), verminous encephalitis, case report, treated with piperazine; worm eggs isolated from feces of Procyon lotor living in straw mow where litter for chickens was stored

Encephalitis
Robinson RO; Baumann RJ
1980 Arch Dis Childhood 55 (3) Mar 231-232 Wa
Toxoplasma, reactivation of congenital cerebral infection in 9-year-old girl, resulting encephalitis and chorioretinitis, condition resolved after pyrimethamine and sulphadiazine therapy: Kentucky

Encephalitis
Srinivas HV; Rao TV; Deshpande DH
1980 Clin Neurol and Neurosurg 82 (3) 187-197 Wm
Cysticercus cellulosae causing a rare encephalitic form of cerebral cysticercosis, humans, pathology and pathogenesis, case reports

Encephalitis
Wobeser G; Schuh JCL
1979 J Wildlife Dis 15 (3) July 413-417 Wa
Microsporida similar to Encephalitozoon cuniculi in captive Ondatra zibethica (brain), granulomatous encephalitis

Encephalomyelitis [See also Encephalitis; Meningoencephalitis]

Encephalomyelitis
Clark EG; Townsend HGG; McKenzie NT
1981 Canad Vet J 22 (5) May 140-144 Wa
Toxoplasma-like organism, horses, myeloencephalitis, report of two cases: Saskatchewan, Canada

Encephalomyelitis
Simpson CF; Mayhew IG
1980 J Protozool 27 (3) Aug 288-292 Issued Oct
Wa
Sarcocystis sp. tentatively identified in horses (extracellular spaces or cells of spinal cords, brain), ultrastructure, may be etiologic agent of equine protozoal myeloencephalitis, presence of parasites in cytoplasm of tissue and circulating neutrophils suggests hematogenous phase of infection: Florida

Encystment See Cysts

Endocrines See Glands; Hormones

Endocytosis [See also Invasion mechanisms; Phagocytosis; Pinocytosis]

Endocytosis
Aikawa M
1980 Ohio State Univ Biosc Colloq (5) 31-46 Wm; Wa
Plasmodium, host cell invasion, review: recognition and initial attachment, invagination of host plasmalemma, sealing of host cell membrane, alteration of host cell membrane

Endocytosis
Bos HJ
1979 Acta Leidensia 47 23-35 Wa
Entamoeba histolytica, review of some characteristics of plasma membrane that are possibly related to parasite's pathogenicity: distribution of membrane intercalated particles and concanavalin A induced agglutination; endocytosis; surface charge; contact lysis and intracellular toxins; lectin-activity of amoebic extracts

Endocytosis
Fairlamb AH; Bowman IBR
1980 Exper Parasitol 49 (3) June 366-380 Wa
Trypanosoma brucei, maintenance of concentrated suspensions of bloodstream trypomastigotes in vitro using continuous dialysis in order to measure endocytosis under controlled conditions, kinetics and mechanism of uptake of polyvinylpyrrolidone

Endocytosis
Gothe R; Burkhardt E
1979 Ztschr Parasitenk 60 (3) 221-227 Wa
Aegyptianella pullorum, erythrocytic entry- and exit-mechanisms, scanning and transmission electron microscopy

Endocytosis
Jones TC
1981 Am J Path 102 (1) Jan 127-132 Wa
obligate intracellular protozoa, interactions with murine macrophages, symposium presentation: protozoal entry mechanisms and phagolysosomal system; protozoal intracellular survival and effects on macrophage function; macrophage antigen processing and genetics of immune response (includes mention of immunosuppression); lymphokine-induced microbicidal and microbistatic changes

Endocytosis
Martinucci G; Crespi P
1979 Boll Zool 46 (1-2) 23-39 Wa
Apolocystis sp. trophozoite in Octolasium transpadanum, light and transmission electron microscopy, life cycle, locomotion, endocytosis; role of ultrastructure in monocystid diagnosis

Endocytosis
Steiger RF; Opperdoes FR; Bontemps J
1980 European J Biochem 105 (1) Mar 17 163-175 Wa
Trypanosoma brucei bloodstream forms, subcellular fractionation with reference to enzymes as potential markers representative of different subcellular components with special emphasis on digestive system in order to provide baseline for evaluation of endocytotic and digestive capacity

Enteritis [See also Intestine]

Enteritis
Corachan M; Oomen HAPC; Sutorius FJM
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 385-388 Wa
parasitic duodenitis, human, clinical signs, radiology, parasitology, histopathology

Enteritis
Eustis SL; Nelson DT
1981 Vet Path 18 (1) Jan 21-28 Wa
coccidia and their interaction with other pathogens, nursing piglets, enteritis, diarrhea

Enteritis
Poelvoorde J; Berghen P
1981 Research Vet Sc 31 (1) July 10-13 Wa
Oesophagostomum dentatum, repeated daily mass infection in pigs fed limited ration, severe diarrhoea and anorexia, average body-weights, blood and plasma analyses, histopathology of ileum, colon, and caecum, number of larvae in incubated and digested tissue and total number of larvae in intestinal lumen

Enteritis
Tzipori S et al
1980 Infect and Immun 30 (3) Dec 884-886 Wa
Cryptosporidium (isolated from calves with diarrhea) infected (with or without causing enteritis) 7 different species of animals, other isolates (from calves, lamb, adult human) also showed similar lack of host specificity, indirect evidence that cryptosporidiosis should be regarded as potential zoonosis, strong evidence to suggest that Cryptosporidium is single-species genus

Environment See Ecology

Enzyme inhibitors
Homandberg GA; Minor ST; Peanasky RJ
1980 Biochim et Biophys Acta 612 (2) Apr 11 384-394 Wa
modification of carboxypeptidase A active site residue Glu-270 prevents interaction with protein protease inhibitor from Ascaris lumbricoides var. suum

Enzyme inhibitors
Juhasz S
1980 Magy Allat Lapja 102 35 (8) Aug 548-549 Wa
Ligula intestinalis, trypsin and chymotrypsin inhibiting activity demonstrated

Enzyme inhibitors
Juhasz S; Kassai T
1981 Molec and Biochem Parasitol 3 (2) June 83-90 Wa
Nippostrongylus brasiliensis, somatic extracts contain protease inhibitor(s) capable of inhibiting activity of trypsin and chymotrypsin, partial purification and characterization

Enzyme inhibitors
Juhasz S; Matskasi I
1980 Magy Allat Lapja 102 35 (9) Sept 604-605 Wa
Ascaris suum, in vitro, inhibiting effect on trypsin chymotrypsin activity of the maintenance medium

Enzyme inhibitors
Juhasz S; Nemeth I
1980 Magy Allat Lapja 102 35 (9) Sept 602-603 Wa
Ascaris suum, in vitro release of trypsin and chymotrypsin inhibitors through tegument

Enzyme inhibitors
Matskasi I; Nemeth I
1980 Magy Allat Lapja 102 35 (8) Aug 550-552 Wa
Ligula intestinalis plerocercoids, characterization of proteolytic and protease inhibitor activities

Enzyme inhibitors
Nemeth I; Juhasz S
1980 Parasitology 80 (3) June 433-446 Wa
Taenia pisiformis, trypsin and chymotrypsin inhibitor from metacestodes

Enzyme inhibitors
Nemeth I; Juhasz S
1981 Internat J Parasitol 11 (2) Apr 137-144 Wa
Taenia pisiformis, properties of trypsin and chymotrypsin inhibitor secreted by metacestodes

Enzyme inhibitors
Schroeder LL; Pappas PW
1980 J Parasitol 66 (1) Feb 49-52 Wa
Hymenolepis diminuta, trypsin was adsorbed by intact worms but process of adsorption apparently did not play any role in trypsin inactivation

Enzyme inhibitors
Schroeder LL; Pappas PW; Means GE
1981 J Parasitol 67 (3) June 378-385 Wa
Hymenolepis diminuta, trypsin inactivation by intact worms, some characteristics of inactivated enzyme

Enzyme inhibitors
Willadsen P; Riding GA
1980 Biochem J 189 (2) Aug 1 295-303 Wm
Boophilus microplus, proteolytic-enzyme inhibitor, variations in concentration throughout life cycle, effect on isolated enzymes, on blood coagulation, on haemolytic complement, and on lymphocyte transformation

Enzyme-linked immunosorbent assay See Immunity, Enzyme labelling

Enzymes [See also Biochemistry; Metabolism]

Enzymes
Kipnis TL et al
1981 Proc National Acad Sc 78 (1) Jan 602-605 Wa
Trypanosoma cruzi, enzymatic treatment transforms trypomastigotes into activators of alternative complement pathway and potentiates their uptake by macrophages (but without impairing intracellular survival)

Enzymes
Senft AW; Goldberg MW; Byram JE
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 96-101 Wa
Schistosoma mansoni-infected mice, acid-active hemoglobinolytic enzyme in serum, source of enzyme not unequivocally proven but present evidence suggests it is of worm origin

Enzymes
Stahr BJ; Walzer PD; Yoneda K
1981 J Parasitol 67 (2) Apr 196-203 Wa
Pneumocystis carinii, effects of trypsin vs. pronase on morphology and antigenic properties of cyst form, light and transmission electron microscopy, immunofluorescence, data suggest that antigenic determinants of cysts reside in cell walls

Enzymes, Host
Abdulazizov AI
1980 Med Parazitol i Parazitar Bolezni 49 (4) July-Aug 69-72 Wa
Trichocephalus muris, white mice (exper.), hydrolytic enzymes in mouse organs before and after treatment with diphezyl

Enzymes, Host
Akinkugbe FM
1980 Ann Trop Med and Parasitol 74 (6) Dec 625-633 Wa
anemia in children, prevalence, causal factors including malaria, effect of hemoglobin genotype and glucose-6-phosphate dehydrogenase deficiency: Ilora, Nigeria

Enzymes, Host
Al-Saffar NR; Al-Mudhaffer SA
1979 Indian J Med Research 70 Oct 598-608 Wa
kala-azar, patients, activity of lactate dehydrogenase and other serum enzymes, kinetic study: Iraq

Enzymes, Host
Anderson PH et al
1981 Research Vet Sc 31 (1) July 1-4 Wa
evaluation of plasma enzyme activities, some other blood components and bromsulphthalein clearance rates as indicators of liver disease in cattle following carbon tetrachloride poisoning and experimental fascioliasis

Enzymes, Host
Areekul S et al
1980 Southeast Asian J Trop Med and Pub Health 11 (4) Dec 498-501 Wa
Plasmodium falciparum, patients with acute infection had significantly lower serum cholinesterase activity than normal persons, suggests impairment of hepatic activities

Enzymes, Host
Auriault C et al
1981 Cellular Immunol 62 (1) July 15 15-27 Wa
Schistosoma mansoni, interaction between macrophages and schistosomula: role of nonspecific IgG peptides or aggregates on modulation of beta-glucuronidase release and cytotoxicity against schistosomula, parasite proteolytic enzymes responsible for presence of inhibitory IgG peptides

Enzymes, Host
Banna HBM
1980 Histochem J 12 (2) Mar 139-144 Wa
frescon-treated and untreated Bulinus truncatus, histochemistry of 5 dehydrogenases

Enzymes, Host
Banna HBM
1980 Histochem J 12 (2) Mar 145-152 Wa
frescon-treated and untreated Bulinus truncatus, histochemistry of 6 hydrolases

Enzymes, Host
Banyal HS; Pandey VC; Dutta GP
1981 Indian J Med Research 73 Suppl Jan 55-62 Wa
Plasmodium knowlesi, acid proteinase, phosphatase, ribonuclease, and deoxyribonuclease of merozoites compared with those of other erythrocytic stages and those of normal and infected erythrocytes

Enzymes, Host
Bernstein SC et al
1980 Human Hered 30 (4) 251-258 Wm
Plasmodium falciparum, human, malaria appears to be selective pressure keeping hemoglobin S frequencies high but may not be major selective force maintaining glucose-6-phosphate dehydrogenase polymorphism: Cameroon

Enzymes, Host
Bienzle U; Guggenmoos-Holzmann I
1979 Immun u Infekt 7 (6) Dec 196-201 Wm
malaria, significance of hereditary red cell traits HbS and G6PD-deficiency in innate resistance

Enzymes, Host
Bienzle U; Guggenmoos-Holzmann I; Luzzatto L
1981 Internat J Epidemiol 10 (1) Mar 9-15 Wm
malaria in children (mostly Plasmodium falciparum) living in holoendemic malaria region, clinical parameters such as parasitaemia and degree of anaemia examined with respect to sex, age, haemoglobin types, and erythrocyte glucose-6-phosphate dehydrogenase variants: West Africa

Enzymes, Host
Boczon K et al
1981 Tropenmed u Parasitol 32 (2) June 109-114 Wa
Trichinella spiralis, human, diagnosis, evaluation of enzymatic and immunological tests (activity of LDH and its isozymic fractions; indirect immunofluorescence test; latex agglutination test; bentonite flocculation test)

Enzymes, Host
Boid R; Mahmoud MM; Gray AR
1980 Research Vet Sc 28 (3) May 336-340 Wa
Trypanosoma evansi, camels (exper.), changes in serum enzyme levels

Enzymes, Host
Cha YN et al
1980 Am J Trop Med and Hyg 29 (2) Mar 234-238 Wa
Schistosoma mansoni-infected athymic nude mice vs. normal heterozygotes, activities of several hepatic drug-metabolizing enzymes, severe reductions of hepatic drug-metabolizing capacity occur only in mice that are immunologically competent and are dependent on host's response to parasite eggs

Enzymes, Host
Cha YN; Heine HS; Bueding E
1980 Am J Trop Med and Hyg 29 (2) Mar 227-233 Wa
Schistosoma mansoni, unisexual infections of mice, accumulation of schistosome pigment without egg deposition does not result in severe reduction of hepatic drug-metabolizing enzyme activities

Enzymes, Host
Cheng TC; Butler MS
1979 J Invert Path 34 (2) Sept 119-124 Wa
experimentally induced elevations in acid phosphatase activity in hemolymph of Biomphalaria glabrata

Enzymes, Host
Chiriboga J; de Leon D; Rodriguez-Frias J
1980 J Agric Univ Puerto Rico 64 (1) Jan 93-106 Wa
Fasciola hepatica, dairy cattle, infection rate, host age, seasonal distribution, snail surveillance, serum glutamic oxalacetic transaminase levels, transmission not year around, no effective control: Puerto Rico

Enzymes, Host
Cook RW; Trapp AL; Williams JF
1981 J Comp Path 91 (2) Apr 219-226 Wa
Taenia taeniaeformis, rats (exper.), histopathology in liver, lymph nodes and thymus, serum enzyme activities

Enzymes, Host
Datta DV et al
1978 Indian J Med Research 68 Sept 485-488 Wa
amoebic hepatic abscess, humans with and without jaundice, no significant alterations of bilirubin UDP-glucuronyl transferase

Enzymes, Host
Doenhoff MJ et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 41-53 Wa
Schistosoma mansoni, immunological control of hepatotoxicity and parasite egg excretion, stage specificity of therapeutic effect of immune serum in heavily infected T-cell deprived mice, protection assessed both by recipients' serum transaminase concentrations and degree of cytoplasmic microvesicular damage in livers

Enzymes, Host
El-On J; Bradley DJ; Freeman JC
1980 Exper Parasitol 49 (2) Apr 167-174 Wa
Leishmania donovani, action of excreted factor on hydrolytic enzyme activity of macrophages from mice with genetically different resistance to infection, implications for mechanism whereby leishmanial amastigotes survive in mononuclear phagocytes in presence of lysosomal enzymes

Enzymes, Host
Ermatova DU; Klepach RA
1977 Uzbek Biol Zhurnal (6) 31-32 Wa
Eimeria mitis-infected chickens, amylase activity of intestinal mucosa

Enzymes, Host
Farag HF et al
1978 J Egypt Med Ass 61 (3-4) 285-298 Wm
Schistosoma mansoni, hyperinfected mice, histopathological and enzyme histochemical changes in various organs during prepatent period

Enzymes, Host
Farag HF et al
1980 Ang Parasitol 21 (1) Feb 20-26 Wa
Schistosoma haematobium, Swiss albino mice, histopathological and enzymatic changes in various organs

Enzymes, Host
Ferrante FM; Pike EH
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 795-797 Wa
Schistosoma mansoni-infected mice, malate dehydrogenase isoenzymes of liver and plasma

Enzymes, Host
Foreyt WJ; Todd AC
1979 J Wildlife Dis 15 (1) Jan 83-89 Wa
Fascioloides magna in Odocoileus virginianus (exper.), hematologic and biochemical values, weight gains

Enzymes, Host
Forsum E; Nesheim MC; Crompton DWT
1981 Parasitology 83 (3) Dec 497-512 Wa
Ascaris suum, young pigs receiving diets low in protein, effects of infection on growth, food intake, nitrogen and fat utilization, intestinal disaccharidase activity, lactose tolerance, and weight of intestinal tract

Enzymes, Host
Garcia ES; Gilliam FC
1980 J Parasitol 66 (6) Dec 1052-1053 Issued May 6 1981 Wa
Trypanosoma cruzi, parasite development does not depend on activity of Rhodnius prolixus gut proteinase

Enzymes, Host
Gass RF
1977 Acta Trop 34 (2) June 127-140 Wa
Plasmodium gallinaceum in Aedes aegypti given 2 consecutive blood meals, oocyst production inhibited or enhanced depending on timing of blood meals, results explained by action of host trypsin-like proteases on parasites, plasmodia 0-10 hours after blood meal are more sensitive to enzymes than later stages of parasite, suggests developmental adaptation of parasite to host's digestive processes

Enzymes, Host
Gass RF; Yeates RA
1979 Acta Trop 36 (3) Sept 243-252 Wa
Plasmodium gallinaceum, in vitro damage of cultured ookinetes by digestive proteinases from susceptible Aedes aegypti

Enzymes, Host
Gero AM et al
1981 Austral J Exper Biol and Med Sc 59 (4) Aug 477-490 Wa
Plasmodium berghei, comparison of dihydroorotate dehydrogenase from parasite vs. from mouse reticulocyte, differences could provide rational basis for development of chemotherapeutic agents active against parasite

Enzymes, Host
Ghareeb AM et al
1975 Ain Shams Med J 26 (1) Jan 81-89 Wm
Schistosoma mansoni, hormonal and enzyme changes occurring with hepatosplenic involvement, possible effects on host growth and development, golden hamster used as exper. model for human infections

Enzymes, Host
Ghareeb AM et al
1979 Ain Shams Med J 30 (1-2) Jan-Mar 59-64 Wm
Schistosoma mansoni-infected mice vs. normal mice, changes in liver and brain enzyme activity and blood urea levels

Enzymes, Host
Gillet J et al
1978 Ann Soc Belge Med Trop 58 (2) June 89-93 Wa
Plasmodium berghei, resistance of fetal mice to congenital infections is not due to decreased levels of adenosine triphosphate in their erythrocytes

Enzymes, Host
Gloria-Bottini F
1980 Experientia 36 (5) May 15 541-543 Wa
relations between G-6-PD deficiency, thalassemia, and malaria: Sardinia; Po Valley

Enzymes, Host
Goldstein SM; Izaki S; Epstein WL
1979 Thromb Research 16 (5-6) 727-735 Wm
schistosomiasis-infected mice, inhibition of plasminogen activator associated with chronic granulomatous inflammation

Enzymes, Host
Goulson HT; Ottolenghi A; Larsh JE jr
1981 Am J Trop Med and Hyg 30 (2) Mar 350-357 Wa
Strongyloides ratti, nonsensitized and sensitized rats after challenge, phospholipase B activity of intestines and lungs, number of eosinophils in bone marrow and peripheral blood, association between marrow eosinopoiesis and phospholipase B elevations is similar to that reported for other parasite models

Enzymes, Host
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Enzymes, Parasite
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1981 Internat J Parasitol 11 (6) Dec 485-492 Wa
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1980 Canad J Zool 58 (2) Feb 207-214 Wa
Leucocytozoon dubreuili, Turdus migratorius (exper.), pathological alterations of parasitized and non-parasitized hepatocytes and renal proximal tubular cells, acid and alkaline phosphatase activities and glycogen distribution determined in parasite and in infected and non-infected host cells

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1981 J Parasitol 67 (3) June 368-371 Wa
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Enzymes, Parasite
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1980 Tr Roy Soc Trop Med and Hyg 74 (3) 326-332 Wa
Schistosoma haematobium, S. mattheei, laboratory-bred hybrids, natural hybrids from human infections in Transvaal, biological features, identification by isoelectric focusing of enzymes, possible practical implications

Enzymes, Parasite
Wright IG; Goodger BV; Mahoney DF
1981 J Protozool 28 (1) Feb 118-120 Issued June 18 Wa
Babesia bovis, virulent and avirulent strains, relationship between parasite protease content and pathophysiological effect of strains in cattle

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1981 Molec and Biochem Parasitol 3 (1) May 13-17 Wa
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1981 Comp Biochem and Physiol 68B (2) 237-243 Wa
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1980 Tropenmed u Parasitol 31 (1) Mar 15-20 Wa
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Eosinophilia See Eosinophils

Eosinophilia, Tropical
Carme B et al
1981 Nouv Presse Med 10 (22) May 16 1841 Wm
"poumon eosinophile filarien", 50-year-old man, case report: Assiut area, Egypt

Eosinophilia, Tropical
Goldsmid JM; Nightingale R; Clark D
1980 Med J Australia 1 (13) June 28 667 Wm
filariasis, human, 2 imported cases (one case report of Loa loa, other of tropical eosinophilia): Tasmania

Eosinophilia, Tropical
Gustavson-Moringlane IL; Bengtsson E
1981 Ann Trop Med and Parasitol 75 (6) Dec 615-621 Wa
filariasis, patients having or suspected of having onchocerciasis or dipetalonemiasis and 2 patients with tropical eosinophilia, level of eosinophilia following provocation with diethylcarbamazine

Eosinophilia, Tropical
Samuel AM et al
1978 Indian J Med Research 68 Sept 444-449 Wa
tropical eosinophilia, human, immunoglobulin levels, cell-mediated immune response to 4 helminth antigens, evidence of sensitization to filarial antigen, effect of diethylcarbamazine treatment

Eosinophilia, Tropical
Spry CJF
1981 Parasite Immunol 3 (1) Spring 1-11 Wa
tropical (filarial) eosinophilia patients, alterations in blood eosinophil morphology, binding capacity for complexed IgG, and kinetics

Eosinophils [See also Granulocytes; Leukocytes]

Eosinophils
Ackerman SJ et al
1981 J Immunol 127 (3) Sept 1093-1098 Wm
Wuchereria bancrofti, human, eosinophilia and elevated serum levels of eosinophil major basic protein and Charcot-Leyden crystal protein after treatment with diethylcarbamazine

Eosinophils
Andy JJ; Bishara FF; Soyinka OO
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microfilaria-induced eosinophilia, humans, possible etiology in chronic endomyocardial fibrosis: Nigeria

Eosinophils
Anteunis A et al
1980 Compt Rend Acad Sc Paris 290 s D Sc Nat (14) Apr 14 979-981 Wa
Trichinella spiralis, ultrastructural study of destruction of new born larvae by normal peritoneal cells (eosinophils and macrophages) in presence of immune serum

Eosinophils
Anwar ARE; et al
1980 J Immunol 124 (3) Mar 1122-1129 Wm
Schistosoma mansoni, human eosinophil- and neutrophil-mediated killing of schistosomula in vitro, enhancement of complement-dependent damage by mast cell-derived mediators and formyl methionyl peptides

Eosinophils
Bass DA et al
1980 J Clin Invest 66 (6) Dec 1265-1273 Wa
human eosinophils from normals compared with those from patients with eosinophilia of diverse etiologies

Eosinophils
Bentley AG; Carlisle AS; Phillips SM
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 102-112 Wa
Schistosoma mansoni, rats, initial and challenge infections, cellular response in lungs and liver, ultrastructural analysis

Eosinophils
Bentley AG; Carlisle AS; Phillips SM
1981 Am J Trop Med and Hyg 30 (4) July 815-824 Wa
Schistosoma mansoni in resistant CDF rat and more susceptible BALB/c mouse, primary and challenge exposures, ultrastructural analysis of cellular response, inflammatory responses in skin

Eosinophils
Berger OG; Hornstein MD
1980 Lancet London (8167) 1 Mar 8 553 Wa
eosinophilia in children with lead poisoning, possible associated parasitic infections such as larva migrans, alert for physicians

Eosinophils
Borojevic R; Stocker S; Grimaud JA
1981 Brit J Exper Path 62 (5) Oct 480-489 Wa
Schistosoma mansoni-infected mice, hepatic eosinophil granulocytopoiesis

Eosinophils
Brook I et al
1981 IC Infect Control 2 (4) July-Aug 317-320 Wm
increased rates of eosinophilia among children in institution for mentally retarded, serologic survey showed previous exposure to variety of parasites but principal cause of eosinophilia may be Toxocara infection due to frequent pica behavior and contact with resident animals: California

Eosinophils
Brown SJ; Knapp FW
1981 Parasitology 83 (1) Aug 213-223 Wa
Amblyomma americanum on guinea pigs, effect of acquired host resistance on tick feeding, color, and survival ability, histological responses of resistant hosts to tick feeding

Eosinophils
Capron A et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 849-857 Wa
Schistosoma mansoni, rats, evidence for participation of anaphylactic antibodies in antibody-dependent cell-mediated cytotoxicity to schistosomes (IgE-macrophage interaction and IgG2a-eosinophil interaction), immune mechanisms regulating effector cell function, in vivo relevance, review

Eosinophils
Capron A; Dessaint JP
1981 Ann Immunol 132C (1) Jan-Feb 3-8 Wa
IgE, interaction with mast cells, basophils, eosinophils, macrophages, and lymphoid cells, regulatory function, review

Eosinophils
Capron M et al
1981 J Immunol 126 (5) May 1764-1768 Wm
Schistosoma mansoni, IgE-dependent cytotoxic capacity of rat eosinophils for schistosomula, mast cell products appear to play essential role in significantly increasing eosinophil cytotoxicity

Eosinophils
Capron M et al
1981 J Immunol 126 (6) June 2087-2092 Wm
Fc receptors for IgE on human and rat eosinophils, proportion of eosinophils bearing these receptors was significantly higher when eosinophils were obtained from hypereosinophilic patients or from Schistosoma mansoni-infected rats, role of these receptors in relation to dual function of eosinophils in antibody-dependent cytotoxicity and in regulation of immediate-type hypersensitivity

Eosinophils
Capron M et al
1981 Nature London (5793) 289 Jan 1-8 71-73 Wa
Schistosoma mansoni, demonstration that mast cell mediators like ECF-A (eosinophil chemotactic factor of anaphylaxis) tetrapeptides can not only promote eosinophil recruitment but also increase IgG-mediated eosinophil cytotoxicity against Schistosoma targets by enhancing expression of eosinophil IgG Fc receptors

Eosinophils
Carme B et al
1978 Bull Soc Path Exot 71 (6) Nov-Dec 465-471 Wa
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Eosinophils
Caulfield JP et al
1980 J Cell Biol 86 (1) July 46-63 Wa
Schistosoma mansoni, adherence of human neutrophils and eosinophils to schistosomula preincubated with antischistosomular sera with or without complement, evidence for membrane fusion between cells and parasites

Eosinophils
Caulfield JP et al
1980 J Cell Biol 86 (1) July 64-76 Wa
Schistosoma mansoni, partial and complete detachment of neutrophils and eosinophils from schistosomula, evidence for establishment of continuity between fused and normal parasite membrane

Eosinophils
Chang KP
1981 Am J Trop Med and Hyg 30 (2) Mar 322-333 Wa
Leishmania donovani, leishmanicidal mechanisms of human polymorphonuclear phagocytes

Eosinophils
Cioli D et al
1980 Cellular Immunol 53 (2) Aug 1 246-256 Wa
Schistosoma mansoni, rats, resistance to reinfection in various host strains and in thymectomized hosts, peripheral eosinophilia, liver morphology

Eosinophils
David JR et al
1980 N England J Med 303 (20) Nov 13 1147-1152 Wm
Schistosoma mansoni, eosinophils from patients with eosinophilia exhibit enhanced capacity to kill schistosomula in presence of antischistosomular serum in vitro, this enhanced killing ability correlated with number of eosinophils in peripheral blood whether or not patient had schistosomiasis

Eosinophils
David JR; Butterworth AE; Vadas MA
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 842-848 Wa
Schistosoma mansoni, mechanism of interaction mediating killing of schistosomula by human eosinophils, review

Eosinophils
Davies C; Goose J
1981 Parasite Immunol 3 (2) Summer 81-96 Wa
Fasciola hepatica, killing of newly excysted juveniles in previously sensitized rats observed by light, scanning electron, and transmission electron microscopy, involvement of eosinophils and mast cells, neutrophils not actively involved in early stages of immune damage, C3 not bound to surface of challenge flukes either in vivo or in vitro in immune serum

Eosinophils
De Simone C et al
1980 Clin and Exper Immunol 39 (1) Jan 247-253 Wa
patients with parasitic diseases, formation of rosettes between human eosinophils and sheep erythrocytes, light and electron microscopic evidence of interaction, could be of diagnostic significance and might reflect qualitative or quantitative modifications in eosinophil population

Eosinophils
Dessein A et al
1981 Parasitology 82 (3) June 357-374 Wa
Schistosoma mansoni, immune evasion, loss of susceptibility to antibody- or complement-dependent eosinophil attack by schistosomula cultured in medium free of macromolecules

Eosinophils
Dessein AJ et al
1981 J Exper Med 153 (2) Feb 1 423-436 Wa
Trichinella spiralis, rats, selective suppression of IgE antibody response diminishes resistance and eosinophil response to infection

Eosinophils
Doy TG; Hughes DL; Harness E
1980 Research Vet Sc 29 (1) July 98-101 Wa
Fasciola hepatica, selective in vitro adherence by rat eosinophils to newly excysted flukes in presence of immune serum (independent of complement, not affected by age of sensitizing infection, and not induced by artificially raised antisera to dead fluke antigens)

Eosinophils
Doy TG; Hughes DL; Harness E
1981 Parasite Immunol 3 (2) Summer 171-180 Wa
Fasciola hepatica, rats, heterologous protection against challenge by prior infection with Nippostrongylus brasiliensis, resistance appeared to be associated with prior induction of intestinal eosinophilia

Eosinophils
Doy TG; Hughes DL; Harness E
1981 Research Vet Sc 30 (3) May 360-363 Wa
Fasciola hepatica, rats, hypersensitivity responses (intestinal mast cells, intestinal eosinophils, anaphylaxis, serum reagins), possible involvement in protection against challenge infection

Eosinophils
Duffus WPH; Franks D
1980 Clin and Exper Immunol 41 (3) Sept 430-440 Wa
Fasciola hepatica, in vitro effect of immune serum and bovine neutrophils and eosinophils on juvenile flukes

Eosinophils
Duffus WPH; Thorne K; Oliver R
1980 Clin and Exper Immunol 40 (2) May 336-344 Wa
Fasciola hepatica-infected cattle, isolation of eosinophils from mammary gland, purification of proteins from eosinophil granules, effect of eosinophil granule proteins and other polycations on juvenile F. hepatica in vitro

Eosinophils
Engelkirk PG; Williams JF; Signs MM
1981 Internat J Parasitol 11 (6) Dec 463-474 Wa
Taenia taeniaeformis, evidence of rapid nonspecific cell adherence reaction to strobilocerci in vitro which is enhanced by fresh serum and is intensely destructive to distal tegument, results similar whether serum or cells were obtained from infected or non-infected donors, predominant cells were eosinophils, mast cells also present

Eosinophils
Ferraz CN et al
1980 AMB Rev Ass Med Brasil 26 (7) July 253-254 Wm
visceral larva migrans with associated eosinophilia, small child, diagnosis confirmed by hepatic biopsy, clinical case report: Sao Paulo

Eosinophils
Furukawa T; Niwa A; Miyazato T
1981 Internat J Parasitol 11 (4) Aug 287-300 Wa
Hymenolepis nana, structural changes of oncosphere associated with postembryonic development in unimmunized mice, damage to larvae possibly attributable to host immunity in immunized mice, ultrastructural level, interaction between host cells and parasite

Eosinophils
Gajanana A et al
1981 Indian J Med Research 73 Suppl Jan 97-106 Wa
Wuchereria bancrofti, infected and non-infected humans living under similar environmental conditions, assay of E and EAC rosette forming peripheral lymphocytes as well as total and differential WBC counts, neutropenia, eosinophilia, and unaltered lymphocyte counts observed in infected group: Pondicherry, India

Eosinophils
Galant SP et al
1980 South Med J 73 (4) Apr 435-437 Wm
Toxocara canis, diagnostic considerations, especially in children with eosinophilia, pica, and pet dogs, suggested immunoserological tests

Eosinophils
Geller IIu; Perevoznikova NE
1978 Vrach Delo (9) Sept 131-133 Wm
echinococcosis, humans, peripheral blood values including eosinophilia of little use for diagnosis

Eosinophils
Glauert AM; Oliver RC; Thorne KJI
1980 Parasitology 80 (3) June 525-537 Wa
interaction of human eosinophils and neutrophils with inert antibody-coated non-phagocytosable surface is closely similar to their interaction with antibody-coated Schistosoma mansoni schistosomula, model for studying cell-mediated cytotoxic reactions

Eosinophils
Goulson HT; Ottolenghi A; Larsh JE jr
1981 Am J Trop Med and Hyg 30 (2) Mar 350-357 Wa
Strongyloides ratti, nonsensitized and sensitized rats after challenge, phospholipase B activity of intestines and lungs, number of eosinophils in bone marrow and peripheral blood, association between marrow eosinopoiesis and phospholipase B elevations is similar to that reported for other parasite models

Eosinophils
Goven AJ; Moore GW
1980 Ztschr Parasitenk 61 (3) 265-269 Wa
Trichinella spiralis, congenitally athymic (nude) mice (exper.), absence of increased bone marrow eosinophilia or elevation in intestinal phospholipase B activity

Eosinophils
Goven AJ; Moore GW
1980 Ztschr Parasitenk 61 (3) 265-269 Wa
Trichinella spiralis, congenitally athymic (nude) mice (exper.), absence of increased bone marrow eosinophilia or elevation in intestinal phospholipase B activity

Eosinophils
Greene BM; Taylor HR; Aikawa M
1981 J Immunol 127 (4) Oct 1611-1618 Wm
Onchocerca volvulus, eosinophil- and neutrophil-mediated immune serum-dependent destruction of microfilariae, IgG identified as antibody class binding to microfilariae, enhancement of killing in presence of fresh serum source in mechanism that appears to be dependent on activation of complement by alternative pathway

Eosinophils
Guerra-Caceres JG et al
1980 Parasite Immunol 2 (2) Summer 121-131 Wa
onchocerciasis, humans, mechanisms of adverse reactions produced by diethylcarbamazine (Mazzotti reaction), does not appear to require generation of circulating immune complexes or systemic complement activation but eosinophils may be involved

Eosinophils
Gusmao RA; Stanley AM; Ottesen EA
1981 Exper Parasitol 52 (1) Aug 147-159 Wa
Brugia pahangi, inbred Lewis rats, cellular and humoral immune responses (blood leukocyte levels, antifilarial IgG and IgE antibody production, specific lymphocyte responses to mitogens and filarial antigens), findings suggest that development of specific IgE antibodies plays role in differential susceptibility to infection in these rats

Eosinophils
Gustavson-Moringlane IL; Bengtsson E
1981 Ann Trop Med and Parasitol 75 (6) Dec 615-621 Wa
filariasis, patients having or suspected of having onchocerciasis or dipetalonemiasis and 2 patients with tropical eosinophilia, level of eosinophilia following provocation with diethylcarbamazine

Eosinophils
Gustowska L; Ruitenberg EJ; Elgersma A
1980 Parasite Immunol 2 (2) Summer 133-154 Wa
Trichinella spiralis, thymus-bearing vs. congenitally athymic mice, histological changes in gut, tongue, and 3 lymphoid tissues with special attention to eosinophils, specific antibody production

Eosinophils
Handlinger JH; Rothwell TLW
1981 Internat J Parasitol 11 (1) Feb 67-70 Wa
Trichostrongylus colubriformis, resistant and susceptible guinea-pigs, resting populations of basophil and eosinophil leucocytes and mast cells and their responses to infection

Eosinophils
Haque A et al
1981 J Immunol 127 (2) Aug 716-725 Wm
Dipetalonema viteae, IgE antibody in eosinophil- and macrophage-mediated in vitro killing of microfilariae

Eosinophils
Haroun EM; Hammond JA; Sewell MMH
1980 Research Vet Sc 28 (3) May 377-379 Wa
Fasciola hepatica, immature and mature infections stimulating resistance in rats but not rabbits, host differences (fluke numbers following challenge, peripheral eosinophil counts, serum glutamic dehydrogenase levels, response to enzyme-linked immunosorbent assays)

Eosinophils
Hassan HY et al
1978 Ain Shams Med J 29 (1-2) Jan-Mar 29-34 Wm
Wuchereria bancrofti, increased level of blood eosinophilia in patients with microfilaraemia vs. non-filaraemic individuals: village of Manshat El-Bakary near Cairo, Egypt

Eosinophils
Hogarth PM; et al
1980 J Immunol 124 (1) Jan 406-411 Wm
Mesocestoides corti, surface markers of purified peritoneal eosinophil population from infected BALB/c male mice

Eosinophils
Hsu SYL et al
1980 Ann Trop Med and Parasitol 74 (2) Apr 179-183 Wa
Schistosoma mansoni, histopathological sections of liver and gallbladder from human case of subacute infection reveal possible mode of action of eosinophils as effector cells in destruction of schistosome eggs in granulomas in vivo

Eosinophils
James SL; Sher A
1980 J Immunol 124 (4) Apr 1837-1844 Wm
Schistosoma mansoni, immune mechanisms that stimulate mouse leukocyte (eosinophil, neutrophil, macrophage) migration in response to schistosomula

Eosinophils
Jensen DL; Castro GA
1981 Exper Parasitol 52 (1) Aug 53-61 Wa
Trichinella spiralis, migration of rat peritoneal cells (predominantly eosinophils) toward parasite incubates, (normal or immune) rat serum, or (normal or immune) rat spleen cells, or combinations of these 3 components, results indicate generation in presence of rat serum of factors chemotactic for rat cells

Eosinophils
Johnson P et al
1981 Parasite Immunol 3 (1) Spring 69-80 Wa
Brugia pahangi, serum-mediated adherence of feline eosinophils and neutrophils to microfilariae in vitro, involvement of IgG and complement, effect of age or origin of microfilariae

Eosinophils
Jong EC; Mahmoud AAF; Klebanoff SJ
1981 J Immunol 126 (2) Feb 468-471 Wm
Schistosoma mansoni, guinea pig eosinophil peroxidase or canine neutrophil peroxidase are capable of killing schistosomula in vitro when combined with hydrogen peroxide and a halide

Eosinophils
Kayes SG; Oaks JA
1980 Exper Parasitol 49 (1) Feb 47-55 Wa
Toxocara canis, mice, functioning T-lymphocyte population appears necessary for maximal eosinophil response

Eosinophils
Kazura JW et al
1981 J Clin Invest 67 (1) Jan 93-102 Wa
Schistosoma mansoni, role of cell-generated hydrogen peroxide in granulocyte-mediated killing of schistosomula in vitro

Eosinophils
Kazura JW; Aikawa M
1980 J Immunol 124 (1) Jan 355-361 Wm
Trichinella spiralis, eosinophil-mediated destruction of newborn larvae in vitro in presence of immune mouse serum, ultrastructural analysis of cell-parasite interaction; neutrophils were significantly less cytotoxic and mononuclear cells did not kill

Eosinophils
Kierszenbaum F; Ackerman SJ; Gleich GJ
1981 Am J Trop Med and Hyg 30 (4) July 775-779 Wa
Trypanosoma cruzi, destruction of bloodstream forms by eosinophil granule major basic protein

Eosinophils
Kipnis TL et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 47-53 Wa
Trypanosoma cruzi, antibody-dependent killing of bloodstream forms by mouse eosinophils and neutrophils in vitro

Eosinophils
Knight R et al
1979 Ann Trop Med and Parasitol 73 (6) Dec 563-576 Wa
Wuchereria bancrofti, human, clinical findings, microfilaria counts, filarial serology, and filarial skin tests for different age groups and each sex; prevalence of non-filarial parasites, various serological parameters, mean IgE levels, and mean eosinophil counts in different age groups: Middle Fly River region, Western Papua New Guinea

Eosinophils
Knopf PM; Cioli D
1980 Internat J Parasitol 10 (1) Feb 13-19 Wa
Schistosoma mansoni, rats, resistance to infection with cercariae induced by transfer of live adult worms, concurrent induction of peripheral eosinophilia and anti-worm antibodies correlated with induction of resistance

Eosinophils
Lempereur C; Capron M; Capron A
1980 J Immunol Methods 33 (3) Apr 10 249-260 Wm
S[chistosoma] mansoni, identification and measurement of rat eosinophil phospholipase D, its activity on schistosomula phospholipids

Eosinophils
von Lichtenberg F; Byram JE
1980 Am J Trop Med and Hyg 29 (6) Nov 1286-1300 Wm
Schistosoma mansoni, primary and secondary infections in 4 mammalian laboratory hosts of variable natural susceptibility, leukocytic reactions to schistosomula in lungs, correlation with adult worm recoveries

Eosinophils
Lindor LJ et al
1981 J Immunol Methods 41 (1) Feb 27 125-134 Wm
effects of various conditions on recovery of eosinophils from peritoneal cavity of guinea pig, infection with Trichinella spiralis did not enhance peritoneal eosinophilia commensurate with that seen in peripheral blood

Eosinophils
Lloyd S
1980 Ztschr Parasitenk 61 (3) 213-221 Wa
Taenia saginata, calves, primary infection, treatment with albendazole, and challenge infection, haematological response, antigen-induced lymphocyte responsiveness

Eosinophils
Lopez AF; Strath M; Sanderson CJ
1981 Immunology 43 (4) Aug 779-786 Wa
IgG and complement receptors on purified mouse eosinophils and neutrophils (Mesocestoides corti superior to Trichinella spiralis and Taenia crassiceps in inducing large numbers of eosinophils in mouse peritoneal cavity)

Eosinophils
McKean JR; Anwar ARE; Kay AB
1981 Exper Parasitol 51 (3) June 307-317 Wa
Schistosoma mansoni, time and course of damage to schistosomula mediated by human eosinophils and neutrophils and by antibody and/or complement in vitro, comparison of schistosomula prepared mechanically or by skin penetration

Eosinophils
Mackenzie CD et al
1980 European J Immunol 10 (8) Aug 594-601 Wm
Trichinella spiralis, Nippostrongylus brasiliensis, various stages in life cycle, activation of complement and induction of antibodies by cuticle, effects of eosinophils, macrophages, neutrophils, and mast cells on viability of these nematodes following cellular attachment to cuticle via antibodies and/or C

Eosinophils
Mackenzie CD et al
1981 J Path 133 (2) Feb 161-175 Wa
Trichinella spiralis, Nippostrongylus brasiliensis, in vitro interaction of eosinophils, neutrophils, macrophages, and mast cells with nematode surfaces in presence of complement or antibodies, findings discussed in relationship to immunopathology of nematode infection in vivo

Eosinophils
McLaren DJ
1980 Trop Med Research Studies Ser (1) 229 pp Wm
Schistosoma mansoni, parasite surface in relation to host immunity, monograph

Eosinophils
Mahmoud AAF; Stone MK; Tracy JW
1979 Tr Ass Am Physicians 92 355-359 Wm
Schistosoma mansoni-infected mice, Trichinella spiralis-infected normal and nude mice, bone marrow and peripheral blood eosinophilia, serum eosinophilopoietin activity

Eosinophils
Mazingue C et al
1980 Internat Arch Allergy and Applied Immunol 63 (2) 178-189 Wa
Schistosoma mansoni, in vitro and in vivo inhibition of mast cell degranulation by factor obtained from parasite, this factor also inhibited IgG2a antibody-dependent eosinophil cytotoxicity against schistosomula, could partly explain low incidence of clinical allergic manifestations observed in parasitic diseases and might represent escape mechanism of parasite to antibody-dependent eosinophil cytotoxicity mechanism

Eosinophils
Mehta K et al
1981 Immunology 43 (1) May 117-123 Wm
Wuchereria bancrofti, nature of immunoglobulin and effector cells involved in antibody-dependent cell-mediated adhesion and cytotoxicity to microfilariae, diethylcarbamazine treatment of elephantiasis cases results in significant reduction in ability of their sera to promote cellular adhesion

Eosinophils
Moqbel R
1980 Parasite Immunol 2 (1) Spring 11-27 Wa
Strongyloides ratti, primary, secondary, and repeated infections of rats, histopathological changes with special reference to tissue eosinophils and mesenteric mast cells, effect of immunosuppression

Eosinophils
Moser G; Sher A
1981 J Immunol 126 (3) Mar 1025-1029 Wm
Schistosoma mansoni, studies of antibody-dependent killing of schistosomula employing haptenic target antigens, in vitro killing of TNP-schistosomula by human eosinophils and neutrophils

Eosinophils
Nelson WA; Kozub GC
1980 J Med Entom 17 (4) July 31 291-297 Wa
Melophagus ovinus, sheep (exper.), evidence that acquired host resistance is locally mediated and lost with subsequent non-exposure, suggestion of an immune component, histopathological studies show inflammatory reaction with eosinophils in high numbers

Eosinophils
Ngwenya BZ
1980 Parasitology 81 (1) Aug 17-26 Wa
Nippostrongylus brasiliensis- or Trichinella spiralis-infected lactating vs. nulliparous mice, depressed lysophospholipase B levels in intestine, reduced numbers of bone-marrow eosinophils, relation to worm expulsion

Eosinophils
Ogilvie BM; Askenase PW; Rose ME
1980 Immunology 39 (3) Mar 385-389 Wa
Nippostrongylus brasiliensis, Trichinella spiralis, basophils and eosinophils in 3 strains of rats and in athymic (nude) rats following infection

Eosinophils
Olds GR; Mahmoud AAF
1980 J Clin Invest 66 (6) Dec 1191-1199 Wa
Schistosoma mansoni, mice, eosinophil-mediated destruction of schistosome eggs within host granulomatous response

Eosinophils
Oormazdi H; Baker KP
1980 Brit Vet J 136 (2) Mar-Apr 146-153 Wa
Linognathus vituli, Bovicola bovis, calves (exper.), no significant effect on haemoglobin levels, packed cell volumes, erythrocyte or leucocyte counts, or weight gains, increased number of eosinophils; concluded that pediculosis is of economic importance in the Republic of Ireland because of resulting hide damage

Eosinophils
Ottolenghi A; Weatherly NF; Larsh JE jr
1980 Infect and Immun 29 (2) Aug 799-807 Wa
Angiostrongylus cantonensis, nonsensitized and sensitized rats, phospholipase B in brains and meninges after challenge, association with eosinophils

Eosinophils
Philipp M et al
1981 J Exper Med 154 (1) July 1 210-215 Wa
Trichinella spiralis, rats, primary serum antibody response to stage-specific surface antigens, these antigens could be targets for stage-specific antibody-dependent eosinophil-mediated destruction of this parasite

Eosinophils
Pincus SH et al
1981 J Immunol 126 (5) May 1794-1799 Wm
Schistosoma mansoni, antibody-dependent eosinophil-mediated damage to schistosomula, lack of requirement for oxidative metabolism

Eosinophils
Pritchard DI; Eady RP
1981 Immunology 43 (3) July 409-416 Wm
Ascaris suum, athymic nude (rnu/rnu) rats, primary and secondary infections, development of eosinophilia

Eosinophils
Rudin W et al
1980 Tropenmed u Parasitol 31 (2) June 194-200 Wa
Dipetalonema viteae, ultrastructural aspects of antibody-dependent cell-mediated destruction of microfilariae in vitro and within micropore chambers in vivo, correlation between degree of adherence and degree of microfilarial damage, contribution of different cell types to destruction process

Eosinophils
Ruitenberg EJ et al
1980 Internat Arch Allergy and Applied Immunol 62 (1) 104-110 Wa
Trichinella spiralis infection in mice genetically selected for high and low antibody production, specific antibody response, histopathological changes in small intestine with emphasis on macrophages, intestinal mast cells, globule leucocytes, and eosinophils

Eosinophils
Ruitenberg EJ; Buys J
1980 Vet Immunol and Immunopath 1 (3) Aug 199-214 Wa
Trichinella spiralis, mice, effects of pregnancy on course of infection and associated histopathological changes in thymus and small intestine (litter size, thymus atrophy and thymus mast cells, worm expulsion, recovery of muscle larvae, intestinal mast cells and globule leucocytes, intestinal eosinophils, antibody production, blood eosinophilia)

Eosinophils
Salman SK; Brown PJ
1980 J Comp Path 90 (3) July 447-455 Wa
Nippostrongylus brasiliensis, active or inactive larvae injected subcutaneously or intravenously to uninfected or immune rats, lung pathology, granuloma formation in immune animals, changes in numbers of mast cells and eosinophils

Eosinophils
Sankale M et al
1979 Bull Soc Path Exot 72 (3) May-June 265-271 Wa
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Eosinophils
Savage AM; Colley DG
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Schistosoma mansoni, eosinophil in inflammatory response to cercarial challenge of sensitized vs. chronically infected CBA/J mice

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Eosinophils
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Eosinophils
Strelis AK; Baiusova ZA; Zhivotiagin VN
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opisthorchosis, 18-year-old girl, case report, recurring eosinophilia

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1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 799-802 Wa
Toxocara canis-infected mice challenged with intraperitoneal injection of T. canis adult worm extract or Anisakis larval extract, method of recovering large numbers of eosinophils from peritoneal exudate

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Elaeophora schneideri in Odocoileus virginianus (exper.), eosinophilia, clinical signs, pathology, age-related resistance

Eosinophils
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Plasmodium yoelii, immune phagocytosis of infected erythrocytes by macrophages and eosinophils, opsonizing antibodies alone in absence of macrophage activation cannot account for phagocytosis of non-parasitized erythrocytes which is probably involved in pathogenesis of malaria anemia

Eosinophils
Urch DL; Allen WR
1980 Equine Vet J 12 (2) Apr 74-77 Wa
Dictyocaulus arnfieldi and intestinal parasites in ponies, donkeys, and foals, efficacy of fenbendazole; haematological parameters, eosinophilia proved useful in detecting lungworm infections in donkeys

Eosinophils
Vadas MA et al
1980 Clin and Exper Immunol 39 (3) Mar 683-694 Wm
Schistosoma mansoni, unpurified peripheral blood leucocytes or purified eosinophils and neutrophils from patients or from normal individuals were compared for ability to interact with antibody-coated schistosomula

Eosinophils
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Schistosoma mansoni, stable and irreversible antibody-dependent adherence of eosinophils to schistosomula, adherence of neutrophils is less extensive and is readily reversible

Eosinophils
Wadee AA; Sher R
1980 Immunology 41 (4) Dec 989-995 Wm
Schistosoma haematobium, soluble factor released by sensitized mononuclear cells incubated with parasite ova, effects on eosinophil migration, findings may reflect in vitro correlate of cell-mediated immunity and may indicate role played by lymphocyte in control of eosinophil function in human biology

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Weller PF; Ottesen EA; Goetzl EJ
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Epidemiology [See also Disease transmission; Foci; Occupational diseases; Reservoir hosts; Sociology; Vectors]

Epidemiology
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Epidemiology
Bidinger PD; Crompton DWT; Arnold S
1981 Parasitology 83 (2) Oct 373-380 Wa
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Epidemiology
Custer JW; Pence DB
1981 J Parasitol 67 (3) June 289-307 Wa
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Epidemiology
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1980 Vet Rec 107 (25-26) Dec 20-27 575-578 Wa
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**Epidemiology**
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**1974 Symposia Brit Soc Parasitol 12 79-95 Wa**
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intestinal parasitism, incidence survey, migrant farm labor populations in irrigation schemes in the Awash Valley, and in major labor source areas: Ethiopia

Epidemiology
Lawrence DN et al
1980 Am J Trop Med and Hyg 29 (4) July 530-537 Wa
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Epidemiology
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global asymptotic stability for vector disease model with spatial spread, malaria as theoretical example

Epidemiology
Massoud J et al
1980 Am J Trop Med and Hyg 29 (3) May 389-392 Wa
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**Epidemiology**
**Pugh RNH; Burrows JW; Bradley AK**
**1981 Ann Trop Med and Parasitol 75 (3) June 281-292 Wa**
**intestinal parasites, human, prevalence and intensity, host age and sex, special emphasis on Schistosoma mansoni, Necator americanus, and Giardia lamblia (possible association of latter with impaired nutritional status and poor water supply): Malumfashi area, Nigeria**

Epidemiology
Reinecke RK
1980 Vet Parasitol 6 (1-3) Jan 255-292 Wa
chemotherapy in control of helminthosis of sheep and cattle, extensive review with emphasis on research in South Africa, Australia, and New Zealand on anthelmintic tests, epizootiology, and integrated control

Epidemiology
Sharpilo VP
1979 Vestnik Zool Akad Nauk Ukrainsk SSR Inst Zool (1), Jan-Feb 3-13 Wa
paratenic hosts in helminth life cycles, significance in evolution and epidemiology, theoretical review

Epidemiology
Sole TD; Croll NA
1980 Am J Trop Med and Hyg 29 (3) May 364-368 Wa
intestinal parasites, human, survey, prevalence by town, sex, racial origin, and age group, possible reasons for low prevalence: Labrador, Canada

**Epidemiology**
**Sornmani S et al**
**1981 Ann Trop Med and Parasitol 75 (3) June 335-346 Wa**
**health and nutritional status of population in Nam Pong Water Resource Development Project, includes information on prevalence of parasitic diseases with emphasis on intensity and age-specific prevalence of Necator americanus and Opisthorchis viverrini: Thailand**

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Zitek K; Palicka P
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human intestinal parasites, incidence, epidemiology, therapy, suggestions for future control: Karvina district

**Epidemiology, Arthropoda**
**Ade-Serrano MA; Ejezie GC**
**1981 Ann Trop Med and Parasitol 75 (4) Aug 471-472 Wm**
**Tunga penetrans in school children, prevalence by age and sex: Oto-Ijanikin village, Badagry, Lagos State, Nigeria**

**Epidemiology, Arthropoda**
**Buckle A; Harris S**
**1980 J Zool London 190 (3) Mar 431-439 Wa**
**flea epifauna of suburban Vulpes vulpes population, infestation levels, host age and sex, seasonal variation, foxes probably obtain majority of their fleas from habitat through which they move rather than from prey items: suburban London**

Epidemiology, Arthropoda
Dar MS et al
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 303-306 Wa
Oestrus ovis, human ophthalmomyiasis, incidence, seasonal variation, host age and sex distribution, typical case history: Benghazi area, Eastern Libya

Epidemiology, Arthropoda
Fisher WF; Miller RW; Everett AL
1980 Vet Parasitol 7 (3) Nov 233-241 Wa
Demodex bovis, dairy cattle, natural transmission, calves can acquire mites from infested dam in 0.5 day, sibling cattle from infested dam do not always become infested

Epidemiology, Arthropoda
Glicken A; Schwab RG
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Epidemiology, Arthropoda
Grainger CR
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 296-299 Wa
Pediculus humanus capitis, children, incidence in relation to age, sex, urban vs. rural areas, and social background: Mahe, Seychelles

Epidemiology, Arthropoda
Humphery-Smith I; Moorhouse DE
1981 Ann Parasitol 56 (3) 353-357 Wa
Ornithodoros capensis, survival in abandoned nests of Anous minutus during non-nesting season as mechanism of host acquisition when birds re-use nests: Heron Island, Capricorn Group, Great Barrier Reef

Epidemiology, Arthropoda
Krafsur ES; Hightower BG; Leira L
1979 J Med Entom 16 (6) Dec 18 470-481 Wa
Cochliomyia hominivorax, seasonal population dynamics May 1974 to Sept 1975: northern Veracruz, Mexico

Epidemiology, Arthropoda
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1979 J South African Vet Ass 50 (4) Dec 289-292 Wa
ticks and tick-borne diseases of cattle, review of distribution and effect of the break-down of dipping in tribal areas on epidemiology: Zimbabwe Rhodesia

Epidemiology, Arthropoda
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1980 Ceskoslov Epidemiol Mikrobiol Imunol 29 (6) Dec 345-350 Wa
Sarcoptes scabiei, varietas hominis, human, results of parasitological examination of patients and environment (lesions, under fingernails, night linen and bed clothes), epidemiological implications: Czechoslovakia

Epidemiology, Arthropoda
Palicka P; Malis L; Zitek K
1980 Ceskoslov Epidemiol Mikrobiol Imunol 29 (1) Jan 52-59 Wa
scabies, human, epidemiological study, subjective and objective symptoms, person from whom infection was acquired, many epidemiological features in common with venereal diseases

Epidemiology, Arthropoda
Pandey VS; Ouhelli H; Elkhalfane A
1980 Vet Parasitol 7 (4) Dec 347-356 Wa
Gasterophilus intestinalis, G. nasalis, horses, monthly prevalence and intensity, effect of host age, implications of results for life cycle pattern and infection dynamics: Settat region of Morocco

Epidemiology, Arthropoda
Petrelli G et al
1980 Roy Soc Health J 100 (2) Apr 64-66 Wm
Pediculus humanus capitis, school children, epidemiology of wide-spread infestation, highest incidence in females in primary school: Rome, Italy

Epidemiology, Arthropoda
Sinniah B; Sinniah D; Rajeswari B
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Pediculus humanus capitis, school children, prevalence and distribution in relation to race, age, sex, hair length, ethnic group, and socioeconomic group: Peninsular Malaysia

Epidemiology, Arthropoda
Tovornik D; Matjasic M
1979 Zdrav Vestnik 48 (2) Feb 87-89 Wm
Argas sp., massive invasion of human-populated apartment attributed to infected near-by loft occupied by pigeons

Epidemiology, Arthropoda
Tuzun Y et al
1980 Internat J Dermat 19 (1) Jan-Feb 41-44 Wm
scabies, humans, epidemiology comparing 3 regions with different climates: Turkey

Epidemiology, Cestoda
Al-Abbassy SN et al
1980 Ann Trop Med and Parasitol 74 (2) Apr 185-187 Wa
hydatid cysts, prevalence, localization, and fertility in slaughtered sheep (by age group), goats, cattle, and camels, reasons for lower prevalence rates than in previous surveys: Baghdad abattoir, Iraq

Epidemiology, Cestoda
Dada BJO
1980 J Helminth 54 (4) Dec 281-286 Wa
taeniasis, cysticercosis, hydatidosis, human, prevalence based on retrospective analysis of hospital records, distribution of taeniasis by host age and sex, hydatid disease recorded only once and cysticercosis not recorded at all: Nigeria

Epidemiology, Cestoda
Dada BJO
1980 J Helminth 54 (4) Dec 287-291 Wa
Cysticercus bovis, C. cellulosae, hydatid disease, prevalence in slaughtered food animals based on retrospective analysis of abattoir records: Nigeria

Epidemiology, Cestoda
Dada BJO
1980 J Helminth 54 (4) Dec 293-297 Wa
Cysticercus bovis, C. cellulosae, hydatid cysts, prevalence in slaughtered food animals based on joint examination with meat inspectors: Nigeria

Epidemiology, Cestoda
Dada BJO
1980 J Helminth 54 (4) Dec 299-301 Wa
Echinococcus granulosus, prevalence in stray dogs; species and prevalence of other gastrointestinal helminths recovered: Nigeria

Epidemiology, Cestoda
Dada BJO; Adegboye DS; Mohammed AN
1980 Ann Trop Med and Parasitol 74 (5) Oct 515-517 Wa
Echinococcus granulosus, prevalence in stray dogs, presence of other parasites, prevalence of hydatidosis in slaughtered food animals (cattle, sheep, goats, camels): Kano State, Nigeria

Epidemiology, Cestoda
Dajani YF; Khalaf FH
1981 Ann Trop Med and Parasitol 75 (2) Apr 175-179 Wa
hydatidosis, Cysticercus tenuicollis, sheep and goats, prevalence and intensity, host age, cyst localization, size, and fertility, one goat had multilocular cysts which may have been Echinococcus multilocularis; Taenia spp. including T. hydatigena, E. granulosus, prevalence in stray dogs: Jordan

Epidemiology, Cestoda
Flisser A et al
1976 Arch Invest Med 7 (3) 107-113 Wm
T[aenia] solium, seroepidemiological survey of human cysticercosis in predominantly indigenous rural Indian population, positive sera varied inversely with number of inhibitants in a community: estado de Chiapas

Epidemiology, Cestoda
Fuller GK; Fuller DC
1981 Am J Trop Med and Hyg 30 (3) May 645-652 Wa
Echinococcus granulosus, human, survey, clinical findings, indirect hemagglutination test results, hydatid skin test results (marked sex differences in positivity): Ethiopia

Epidemiology, Cestoda
Islam AWMS
1980 Vet Parasitol 7 (2) Sept 103-107 Wa
hydatid disease, goats, incidence in hosts of different ages and in different organs, severity of infection in liver and lungs, comparative rate of different types of cysts (fertile, sterile, calcified, suppurative, undeveloped): Bangladesh

Epidemiology, Cestoda
Kasai Y et al
1980 Ann Surg 191 (2) Feb 145-152 Wm
alveolar echinococcosis, human liver, clinical manifestations and proposed staging, diagnostic procedures, surgical aspects and outcome, epidemiological considerations: Japan

Epidemiology, Cestoda
Katz R; Murphy S; Kosloske A
1980 Pediatrics Am Acad Pediat 65 (5) May 1003-1006 Wa
Echinococcus granulosus, pulmonary infections in children, importance in differential diagnosis of mass lesions in chest, surgical recommendations, case reports, increasing transmission among native Americans in the southwest United States

Epidemiology, Cestoda
Kennedy CR; Burrough RJ
1981 J Fish Biol 19 (1) July 105-126 Wa
Ligula intestinalis in Rutilus rutilus, introduction, establishment, and subsequent history of parasite population: origin of infection; distribution of infections in relation to size and age of fish; seasonal and annual changes in infection levels and within Ligula population (prevalence and intensity of infection, growth of parasite, index of parasitization, frequency distribution): Slapton Ley, Devon, U.K.

Epidemiology, Cestoda
Larbaoui D; Alloula R
1979 Tunisie Med 57 (6) Nov-Dec 318-326 Wm
echinococcosis, humans, results of 2 retrospective epidemiological surveys conducted over a 10-year period, incidence by age and sex: Algeria

Epidemiology, Cestoda
Mutinga MJ; Madel G
1981 Insect Sc and Its Applic 1 (4) 379-382 Wa
Taenia saginata, experimental feeding of proglottids and eggs to coprophagous beetles, results indicate possible role of these beetles in dissemination of taeniasis in Kenya

Epidemiology, Cestoda
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1979 Bol Chileno Parasitol 34 (3-4) July-Dec 59-62 Wa
hydatid disease, humans, epidemiology, revision and analysis of cases registered from 1969-1978, age and sex distribution, localization, mortality, number of days of hospitalization: Chile

Epidemiology, Cestoda
Shumakovich EE; Kuznetsov MI; Nikitin VF
1963 Trudy Vsesoiuz Inst Gel'mint 10 82-97 Wa
coenurosis, echinococcosis, cysticercosis, epizootiology, dogs and wild animals as source of infection: lower and middle reaches of the Volga

Epidemiology, Nematoda
Abaru DE et al
1980 Acta Trop 37 (1) Mar 63-71 Wa
Wuchereria bancrofti, human, prevalence and density of microfilariae, clinical manifestations, host age, length of residence in endemic area, correlations: Tanzania

Epidemiology, Nematoda
Abolarin MO
1981 Trop and Geogr Med 33 (1) Mar 83-88 Wa
Guinea worm infection in Nigerian villagers, epidemiological survey indicates source of infections is a cyclops-infested, man-made cattle pond near their village, pond water used for drinking and various domestic purposes: Wawa village, Kwara State, Nigeria

Epidemiology, Nematoda
Albiez EJ; Ganley JP; Buettner DW
1981 Tropenmed u Parasitol 32 (1) Mar 25-28 Wa
Onchocerca volvulus, human, clinical, parasitological, and ophthalmological data, host age and sex: hyperendemic village in rain forest of Liberia

Epidemiology, Nematoda
Anderson N et al
1978 Epidemiol and Control Gastrointest Parasites Sheep Australia 23-51 Wa
nematodes, sheep, epidemiology, control, seasonal distribution in various rainfall zones, review: Australia

Epidemiology, Nematoda
Anderson RM
1980 Lecture Notes Biomath 39 278-322 Wa
mathematical framework to describe dynamics of direct life cycle helminth parasites, general properties of model with attention focused on transmission threshold and unstable breakpoints, methods of predicting trends in prevalence and intensity of infection within age-structured populations, dynamics of Necator americanus infections (model predictions compared with data from India and Taiwan), significance of seasonal climatic change and spatial heterogeneity, analysis of effectiveness of various control methods, future research needs, symposium presentation

Epidemiology, Nematoda
Asaishi K et al
1980 Gastroenterol Japon 15 (2) Apr 128-134 Wm
Anisakis, humans, epidemiologic study of inhabitants and questionnaire survey, results show that the etiologic mechanism of acute infection involves anaphylactic reaction as well as Arthus reactions in the digestive tract: Japan

Epidemiology, Nematoda
Ashford RW et al
1979 Papua N Guinea Med J 22 (2) 128-135 Wm
Strongyloides spp., "cannot be identified... referred to as Kanabea Strongyloides", associated with acute edematous disease in infants, abundant in children 3 weeks to 5 years old, rare in adults, epidemiological survey, mode of transmission remains unknown: mid-mountain community, Papua New Guinea

Epidemiology, Nematoda
Ashford RW; Hall AJ; Babona D
1981 Ann Trop Med and Parasitol 75 (3) June 269-279 Wa
intestinal nematodes of man, distribution, prevalence and intensity by host age, effect of environmental influences, special reference to Strongyloides cf. fuelleborni: Papua New Guinea

Epidemiology, Nematoda
Ba O; Rolland A; Marshall TFC
1981 Tropenmed u Parasitol 32 (3) Sept 181-183 Wa
Onchocerca volvulus, human, relationships between microfilaruria, irreversible eye lesions, and microfilarial load in anterior segment of eye according to age and sex: North Benin

Epidemiology, Nematoda
Barger IA; Le Jambre LF
1979 Austral Vet J 55 (12) Dec 580-583 Wa
Haemonchus contortus, sheep, role of inhibited larvae in epidemiology

Epidemiology, Nematoda
Bartlett CM; Anderson RC
1980 System Parasitol 2 (1) Dec 77-102 Wa
filarioid nematodes of crows, avian filariasis epizootiology considered

Epidemiology, Nematoda
Beck MJ; Cardina TM; Alicata JE
1980 Hawaii Med J 39 (10) Oct 254-257 Wm
Angiostrongylus cantonensis, human eosinophilic meningitis, case reports, clinical aspects, vector distribution, suggested control measures, newly reported infection for American Samoa

Epidemiology, Nematoda
Beltran H, F et al
1979 SPM Salud Pub Mexico 21 (6) Nov-Dec 771-785 Wm
Onchocerca volvulus, humans, proposals for epidemiological surveillance using several indicators (parasitic, clinical, entomologic, immunologic, and demographic): Mexico

Epidemiology, Nematoda
Bessonov AS
1963 Trudy Vsesoiuz Inst Gel'mint 10 37-45 Wa
trichinosis, geographic distribution and types of foci in Russia

Epidemiology, Nematoda
Beveridge I; Kummerow EL; Wilkinson P
1980 Tropenmed u Parasitol 31 (1) Mar 75-81 Wa
Onchocerca gibsoni in Bos indicus and Bos taurus, prevalence and intensity of nodules and microfilariae in cows of different age classes, nodule size and contents, observations on male and female worms and on degeneration of female worms: Australia

Epidemiology, Nematoda
Bonnefoy X; Isautier H
1978 Bull Soc Path Exot 71 (1) Jan-Feb 70-78 Wa
helminthiasis, human, prevalence in 1972 vs. 1976, influence of sanitation, precipitation, urban vs. rural habitat, water quality: Reunion Island

Epidemiology, Nematoda
Brandling-Bennett AD et al
1981 Am J Trop Med and Hyg 30 (5) Sept 970-981 Wa
Onchocerca volvulus, human, prevalence and intensity, host age and sex, type of work, nodules and nodulectomy, ocular infection, quantitative relationships: Guatemala

Epidemiology, Nematoda
Brinkmann UK
1980 Tropenmed u Parasitol 31 (1) Mar 67-74 Wa
Onchocerca volvulus, prevalence, compilation of surveys of 164 villages in 17 of 19 counties of Togo

Epidemiology, Nematoda
Burrows RO; Davison CC; Best PJ
1980 Vet Rec 107 (12) Sept 20 289-290 Wa
abomasal nematodes, culled dairy cows, prevalence, seasonal fluctuations in worm burdens and proportion of adult and immature worms, rainfall: southwest England

Epidemiology, Nematoda
Cabaret J
1980 Ann Parasitol 55 (5) Sept-Oct 571-581 Wa
protostrongylid 1st stage larvae, relationship between motility and infectivity, effect of various factors (parasite age, density, temperature, light, ions, desiccation), epidemiological implications

Epidemiology, Nematoda
Campbell CC et al
1980 Tropenmed u Parasitol 31 (4) Dec 475-478 Wa
Onchocerca volvulus, human, quantitative aspects of infection of Simulium ochraceum, relationship of skin microfilarial density to vector infection

Epidemiology, Nematoda
de Chaneet GC; Dixon FF; Barker DJ
1981 Vet Parasitol 8 (2) May 143-148 Wa
Ostertagia, Cooperia, cattle, relative significance (in terms of larval availability during winter) of contamination of pasture with nematode eggs at different times during summer and autumn, implications of results for worm control programmes in a Mediterranean-type climatic environment: south-west Western Australia

Epidemiology, Nematoda
de Chaneet GC; Mitchell RK; Barker DJ
1981 Vet Parasitol 8 (2) May 149-163 Wa
gastrointestinal nematodes, strategic anthelmintic treatment of young cattle during summer in a Mediterranean-type climatic environment, concluded that treatments may have been more effective had they been given during autumn: south-west Western Australia

Epidemiology, Nematoda
Chavez Nunez M
1979 SPM Salud Pub Mexico 21 (6) Nov-Dec 707-717 Wm
Onchocerca volvulus, humans, epidemiology, vector survey, problem endemic areas in Chiapas and Oaxaca, Mexico

Epidemiology, Nematoda
Ciferri F
1981 West J Med San Francisco 134 (2) Feb 158-162 Wa
Dirofilaria immitis, human pulmonary infection, brief epidemiologic review, diagnostic alert for physicians, first documented human case in California

Epidemiology, Nematoda
Collins WE et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1220-1222 Wa
Onchocerca volvulus, human, indirect fluorescent antibody test using fixed-tissue sections of adult worms as antigen, antibody responses in relation to host age, sex, presence or absence of microfilariae, and microfilarial density, application in epidemiological studies appears limited until level of false negative responses is markedly reduced: Guatemala

Epidemiology, Nematoda
Coulaud JP et al
1980 Bull Soc Path Exot 73 (1) Jan-Feb 100-108 Wa
strongyloidiasis, humans, epidemiology, clinical and therapeutic analysis of 427 cases diagnosed in Paris

Epidemiology, Nematoda
Crosskey RW
1981 Tropenmed u Parasitol 32 (1) Mar 2-16 Wa
Onchocerca volvulus, human, and its Simulium damnosum complex vectors, review with special reference to geographical distribution and development of national control campaign: Nigeria

Epidemiology, Nematoda
Dash KM
1981 Internat J Parasitol 11 (3) June 201-207 Wa
Oesophagostomum columbianum, O. venulosum, sheep (exper.), single and mixed infections, interactions studied by comparing establishment, development, and distribution of each species, results discussed in relation to changes in incidence of the two species in sheep on the Northern Tablelands of New South Wales

Epidemiology, Nematoda
Davidson WR et al
1980 J Wildlife Dis 16 (4) Oct 499-508 Wa
Haemonchus contortus in Odocoileus virginianus, monthly (Oct.-Mar.) prevalence and intensity of infection in fawns and adults, haemonchosis/malnutrition syndrome, geographic distribution, worm recovery rates, prepatent periods, and egg production in immunized vs. nonimmunized deer exposed to challenge suggested a naturally-acquired immunity: Georgia; South Carolina; Florida

Epidemiology, Nematoda
Dietz K
1980 Lecture Notes Biomath 39 264-277 Wa
models for vector-borne parasitic diseases (malaria, schistosomiasis, onchocerciasis), symposium presentation

Epidemiology, Nematoda
Dutta SN; Diesfeld HJ
1978 Indian J Med Research 67 Apr 553-561 Wa
W[uchereria] bancrofti, human, indirect immunofluorescent test using Dipetalonema viteae antigen, titres in relation to microfilarial density and host age and sex, comparison of subjects from non-endemic area with those from endemic area around Dhanbad coalmines

Epidemiology, Nematoda
Eysker M
1980 Vet Parasitol 6 (4) Mar 369-379 Wa
Chabertia ovina, Oesophagostomum venulosum, sheep, significance of inhibited development in epidemiology: Utrecht State University, The Netherlands

Epidemiology, Nematoda
Eysker M; Ogunsusi RA
1980 Research Vet Sc 28 (1) Jan 58-62 Wa
Haemonchus contortus, Trichostrongylus spp., sheep, epidemiological and clinical aspects during rainy season: northern Nigeria

Epidemiology, Nematoda
Fameree L et al
1981 Schweiz Arch Tierh 123 (3) Mar 145-155 Wa
trichinosis, wild animals, epidemiological survey, public health importance: Belgique

Epidemiology, Nematoda
Fuentes C, A et al
1979 Rev Chilena Pediat 50 (4) July-Aug 71-74 Wm
Enterobius vermicularis, children, epidemiology and psychobiology, comparative study of 12 kindergartens: Antofagasta

Epidemiology, Nematoda
Gibson TE; Everett G; Whitehead J
1981 Internat J Biometeorol 25 (3) Sept 223-225 Wa
Ostertagia circumcincta, survival of free living stages during drought: England

Epidemiology, Nematoda
Gruner L et al
1980 Ann Recherches Vet 11 (2) 133-140 Wa
gastro-intestinal nematodes, seasonal distribution in sheep and on pastures, influence of meteorological conditions upon infective larval populations on pastures, host growth: Western central region of France

Epidemiology, Nematoda
Herd RP; Riedel RM; Heider LE
1980 J Am Vet Med Ass 176 (12) June 15 1370-1372 Wa
identification of nematodes in dairy barns refutes claims that adult dairy cattle in confinement are continuously exposed to trichostrongylids and that all cows should be routinely treated

Epidemiology, Nematoda
Hubert J; Kerboeuf D; Gruener L
1979 Ann Recherches Vet 10 (4) 503-518 Wa
gastrointestinal nematodes, sheep, monthly prevalence, thiabendazole-treated vs. nontreated groups, host growth, parasite counts, coproscopical examination, plasma pepsinogen levels: North Limousin area, France

Epidemiology, Nematoda
Ikeda T et al
[1980] J Parasitol 65 (6) Dec 1979 855-861 Issued Apr 2 Wa
Onchocerca volvulus, human, evaluation of indirect hemagglutination test for serodiagnostic purposes and sero-epidemiological analysis, age and sex distribution of IHA positives in areas of high, medium, and low endemicity: Guatemala

Epidemiology, Nematoda
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1980 Acta Trop 37 (1) Mar 53-62 Wa
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1980 Ann Trop Med and Parasitol 74 (3) June 347-354 Wa
Schistosoma haematobium study area, human water-contact activities, frequency, degree of bodily-contact with water, diurnal variation, age and sex differences, dry vs. wet season, implications for schistosomiasis transmission and control: Ruwan Sanyi dam, Malumfashi District, northern Nigeria

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Chagas disease, humans, associated epileptic syndrome, clinical aspects, management

Epizootiology See Epidemiology

Erythrocytes [See also Blood]

Erythrocytes
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1981 Brit J Haematol 49 (1) Sept 97-101 Wa
Plasmodium falciparum, P. knowlesi, technique that achieves invasion of lysed and resealed human and simian erythrocytes, applications for the study of process of parasite invasion of cells

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Plasmodium falciparum, human, monocyte erythrophagocytosis of non-parasitised cells exacerbates anaemia characteristic of this infection

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1978 Ann Soc Belge Med Trop 58 (2) June 89-93 Wa
Plasmodium berghei, resistance of fetal mice to congenital infections is not due to decreased levels of adenosine triphosphate in their erythrocytes

Erythrocytes
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1979 Ann Pharm Franc 37 (9-10) 385-398 Wa
Plasmodium berghei, mice (exper.), light and electron microscopic study of penetration of erythrocytes by merozoites, transient spheroidal transformation of erythrocytes occurs as parasites continue into hemoglobin bud, proposition of cycle suggested by changes in morphology of these cells

Erythrocytes
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1979 Ann Pharm Franc 37 (11-12) 493-500 Wa
Babesia divergens in cattle, B. canis in dogs, morphology of parasitized erythrocytes, different patterns depending upon Babesia species involved, light and scanning electron microscopy

Erythrocytes
Gorenflot A et al
1980 Ann Pharm Franc 38 (1) 3-6 Wa
Plasmodium berghei, mice, morphologically-altered erythrocytes do not react differently from healthy ones in agglutination reactions with antisera against erythrocytes of healthy or infected mice, morphological alterations do not appear to be accompanied by modifications of erythrocyte antigenic properties

Erythrocytes
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1981 Ann Pharm Franc 39 (1) 3-10 Wa
Plasmodium berghei, modifications in morphology of parasitized erythrocytes, scanning electron microscopy, formation of 'metabolic windows'

Erythrocytes
Guggenmoos-Holzmann I; Bienzle U; Luzzatto L
1981 Internat J Epidemiol 10 (1) Mar 16-22 Wm
Plasmodium falciparum, children under age 6, incidence and severity of infection with respect to haemoglobin types and red cell glucose-6-phosphate dehydrogenase variants, results suggest that the presence of these genetic traits offers selective advantage against infections, possible mechanisms discussed

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Plasmodium falciparum, fate of parasites in erythrocytes which have been treated with physostigmine (an acetylcholinesterase inhibitor)

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1981 Parasitology 83 (2) Oct 357-372 Wa
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Erythrocytes
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1981 Exper Parasitol 51 (1) Feb 95-103 Wa
Plasmodium berghei-infected mouse blood, modification of surface membrane glycoprotein sialic acids on uninfected and infected red cells, possible implications with regard to anemia induced by malaria (new sialic acid antigen(s) may elicit binding of autoantibody)

Erythrocytes
Howard RJ; Smith PM; Mitchell GF
1980 Parasitology 81 (2) Oct 251-271 Wa
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Erythrocytes
Howard RJ; Smith PM; Mitchell GF
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Plasmodium berghei-infected intact or hypothymic BALB/c mice, characterization of surface proteins and glycoproteins on red blood cells; considerations in radioisotope labelling

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1977 Acta Trop 34 (1) Mar 53-60 Wa
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1981 Japan J Vet Sc 43 (1) Feb 1-11 Wa
dirofilariasis, dogs with hemoglobinuria vs. normal dogs and dogs with chronic serious filariasis without hemoglobinemia and hemoglobinuria, hemolysis, lipid alterations in blood serum and red cell membrane

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Erythrocytes
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Plasmodium falciparum, protein synthesized by parasite is correlated with formation of knobs on membranes of infected human erythrocytes, glycoprotein of parasite origin becomes apparent on membrane of infected erythrocytes during schizogony

Erythrocytes
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1981 Tropenmed u Parasitol 32 (2) June 73-76 Wa
Plasmodium chabaudi, membrane-bound enzymes of infected erythrocytes, effects of chloroquine, mefloquine, primaquine, and floxacrine with particular reference to inhibition of ornithine decarboxylase activity

Erythrocytes
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1981 Exper Parasitol 51 (3) June 438-443 Wa
Plasmodium berghei-infected and normal mouse erythrocytes, glycolytic enzyme activities, data also for uninfected mice with induced reticulocytosis

Erythrocytes
Maede Y
1980 Japan J Vet Sc 42 (3) June 281-288 Wa
Haemobartonella felis-infected cats (exper.), changes of erythrocyte lipids concentration and their relation to osmotic fragility

Erythrocytes
Mason RW et al
1981 Austral Vet J 57 (1) Jan 46 Wa
Eperythrozoon ovis, lambs (blood), association with Heinz body development: southeastern Tasmania

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Ogunrinade AF; Anosa VO
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Fasciola gigantica-infected sheep, red blood cell survival and faecal clearance, implications for aetiology of anaemia

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Plasmodium falciparum, evidence that young red cells show increased susceptibility to invasion; theoretical, clinical, and practical implications

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Plasmodium knowlesi-infected rhesus monkeys, analysis of red cell and plasma lipids profile at different levels of parasitaemia

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1981 Exper Parasitol 51 (1) Feb 116-123 Wa
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Plasmodium berghei-infected and normal mouse erythrocytes, concentrations of glycolytic intermediates and related metabolites, data also for uninfected mice with induced reticulocytosis

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Plasmodium knowlesi, metabolic labelling of parasite-specific glycoproteins in membranes of parasitized rhesus monkey erythrocytes

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Babesia bigemina-infected cattle, changes in erythrocytic Na$^+$ and K$^+$ levels result from anemia rather than simply presence of parasites

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1981 Science (4507) 213 July 31 555-557 Wa
Plasmodium falciparum-infected erythrocytes specifically bind to cultured human endothelial cells, results suggest specific receptor-ligand interaction between endothelial cells and component(s) in knobs of infected erythrocytes

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1981 Ciba Found Symp (80) 220-233 Wm
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Toxoplasma gondii, patients with toxoplasmal retinochoroiditis vs. seropositive and seronegative controls, antibody titers, in vitro lymphoproliferative responses to toxoplasmal and retinal antigens, observations raise possibility of autoimmune component in pathogenesis of relapses in toxoplasmal retinochoroiditis

Fats See Lipids

Fatty acids See Lipids

Fecal examination See Technique, Fecal examination

Feeding
Andrews RH; Bull CM
1981 Animal Behaviour London 29 (2) May 518-522 Wa
Aponomma hydrosauri, inhibition of mating behaviour before feeding

Feeding
Binnington KC; Kemp DH
1980 Advances Parasitol 18 315-339 Wa
ticks, role of salivary glands in feeding and disease transmission, review: salivary gland functions during attachment and feeding (secretion of attachment cement; salivary secretions and tick feeding; passage of material through salivary glands during feeding); toxicosis (host paralysis); disease transmission (Theileria; Babesia)

Feeding
Bloch EH
1980 Am J Trop Med and Hyg 29 (1) Jan 62-70 Wa
Schistosoma mansoni, in vivo microscopy in mice, dynamics of schistosomule and egg migration in lungs, liver, and intestine, feeding pattern of schistosomules, tissue pathology

Feeding
Bogitsh BJ
[1980] J Parasitol 65 (6) Dec 1979 964-966 Issued Apr 2 Wa
Schistosoma mansoni, in vitro effects of actinomycin-D on gastrodermis of schistosomules, treated schistosomules were incapable of ingesting red blood cells

Feeding
Coons LB; Roshdy MA
1981 Ztschr Parasitenk 65 (2) 225-234 Wa
Argas arboreus, ultrastructure of granule secretion in salivary glands during feeding

Feeding
Dickinson RG et al
1980 J Austral Entom Soc 18 (3) 1979 199-210 Issued Mar 14 Wa
Boophilus microplus, a prostaglandin and a second smooth muscle contracting component from saliva, salivary glands or hemolymph of engorged or partly engorged females; prostaglandin not dependent on host immune status nor of host origin, more likely produced by tick, possibly functions in establishing feeding lesion or has physiological role in tick; identity and role of second component not known

Feeding
Fawcett DW; Doxsey S; Buescher G
1981 Tissue and Cell 13 (2) 231-253 Wa
Rhipicephalus appendiculatus, salivary gland, changes in ultrastructure of type III acinus in course of feeding, cellular basis for fluid secretion in type III acinus

Feeding
Galun R
1979 Pract Tissue Culture Applic 399-406 Wa
combination of in vitro feeding techniques and tissue culture for study of arthropod-borne disease agents

Feeding
Guenther PE; Barker DM; Sauer JR
1980 Ann Entom Soc Am 73 (4) July 15 485-488 Wa
Amblyomma maculatum, sheep (exper.), whole body water and concentrations of sodium and chloride in whole tick, gut content, hemolymph, and saliva of pre-fed and engorging females measured, comparison with published results for A. americanum; A. maculatum may imbibe considerable non-whole blood tissue while feeding on sheep

Feeding
Hall RD; Turner EC jr; Gross WB
1979 J Med Entom 16 (3) Oct 12 259-261 Wa
Cimex lectularius, apparatus for feeding individual colonies blood diets at constant temperature and with different corticosterone levels; corticosterone had no effect on bed bug fecundity

Feeding
Howells RE; Chen SN
1980 Trop Dis Research Ser (3) 395-396 Wm
Brugia pahangi, feeding and nutrient uptake in vivo and in vitro, workshop presentation

Feeding
Howells RE; Chen SN
1981 Exper Parasitol 51 (1) Feb 42-58 Wa
Brugia pahangi, transcuticular uptake of D-glucose, L-leucine, and adenosine in vitro, no evidence for oral ingestion of materials in vitro but oral uptake of Trypan blue demonstrated in vivo, ultrastructure and cytochemical staining reactions for enzymes of gut and body wall

Feeding
Kamala Bai M; Prasad RS
1979 J Med Entom 16 (2) Sept 28 164-165 Wa
Xenopsylla cheopis, X. astia, influence of nutrition and feeding stimulus on maturation of males

Feeding
Klunker R
1979 Ang Parasitol 20 (2) June 88-108 Wa
blood-sucking arthropods, methods of in-vitro-feeding, review

Feeding
Kosminskii RB; Guseva AA
1975 Parazitologiia Leningrad 9 (3) May-June 265-270 Wa
Ctenophthalmus wagneri, feeding and reproduction under laboratory conditions at 20-21° C or 2-5° C

Feeding
Kuramochi K; Nishijima Y
1980 Applied Entom and Zool 15 (3) Aug 262-269 Wa
Haematobia irritans, measurement of meal size by use of amaranth

Feeding
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 15 (3) Mar 23 187-217 Wa
Tunga monositus on Mus musculus (skin of ear pinna) (exper.), detailed description of feeding behavior and diet, histological study of embedded fleas, development of female on host, dependence on host inflammatory and repair response for survival and reproduction

Feeding
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 16 (2) Sept 28 85-94 Wa
Tunga monositus on laboratory Peromyscus maniculatus (ear pinna) wild-caught from 2 localities, feeding behavior, cell intake, and neosomy, histological examination of sequential serial sections, comparison with findings from Mus musculus

Feeding
Luetzen J; Nielsen K
1975 Vidensk Medd Dansk Naturh Forening 138 Dec 171-199 Wa
Echineulima spp., sea urchins, mode of attachment, structure of alimentary tract, proboscideal movements and feeding, reproductive organs, oviposition, possible hermaphroditism, sporozoans found in E. mittrei (mantle and digestive glands)

Feeding
McMullen HL et al
1980 Biochem and Biophys Research Commun 95 (4) Aug 29 1555-1562 Wm
Amblyomma americanum, calcium-dependent modulator proteins of 3':5'-cyclic-AMP phosphodiesterase isolated from salivary glands, role in regulation of salivary fluid secretion

Feeding
Meng YC et al
1980 Acta Entom Sinica 23 (1) Feb 9-15 Wa
Haemolaelaps glasgowi and Eulaelaps stabularis, counter immunoelectrophoresis to determine feeding patterns and identify nature of ingested blood

Feeding
Obenchain FD; Leahy MG Sister; Oliver JH jr
1980 J Parasitol 66 (2) Apr 282-286 Wa
Dermacentor variabilis, relationship between measure of surface area of tick scutum and unfed and engorged tick weights, usefulness of this relationship in quantification of engorgement

Feeding
Panfilova IM
1980 Zool Zhurnal 59 (6) June 851-858 Wa
Ixodes persulcatus females, changes in neuroendocrine system and amounts of secretory substances during feeding

Feeding
Panfilova IM
1980 Zool Zhurnal 59 (8) Aug 1137-1147 Wa
Ixodes persulcatus, feeding females, inhibition of growth and oogenesis related to absence of fertilization, disturbances in activity of synganglion neurosecretory cells and lateral organs, dynamics of activity of different elements of neuro-endocrine system compared in feeding non-fertilized and fertilized females (these changes in non-fertilized females considered an adaptation to long wait for fertilization)

Feeding
Powell MB et al
1980 Am J Vet Research 41 (6) June 877-882 Wa
Otodectes cynotis, cats (nat. and exper.), reaginic hypersensitivity, precipitating antibodies, hematologic indices; mode of feeding requires ingesting feline tissue fluids and is route by which parasite antigens are presented to host

Feeding
Randolph SE
1980 J Parasitol 66 (2) Apr 287-292 Wa
Ixodes trianguliceps females, delayed mating decreases rate of engorgement and reduces reproductive output, ecological significance lies in fact that inverse density dependent factor may have destabilizing effect on tick population that might be exploited in control of ticks

Feeding
Thuet P; Romestand B
1981 Arch Internat Physiol et Biochim 89 (1) Feb 15-33 Wa
Meinertia oestroides, Anilocra physodes, osmotic and ionic regulation, water transfer as function of salinity of medium, relationship to localization on host body, hypothesis concerning mechanism of feeding; some results also for Emetha audouini

Feeding
Wilfred M; Lee DL
1981 Internat J Parasitol 11 (6) Dec 485-492 Wa
Bunostomum trigonocephalum, observations on buccal capsule and associated glands, possible role of various structures and enzymes during feeding

Feeding
Winkhardt HJ
1979 Tropenmed u Parasitol 30 (4) Dec 455-462 Wa
Ixodes ricinus, I. hexagonus, artificial feeding successful with glass capillary tubes but unsuccessful with membrane feeding techniques; I. ricinus, infection with Dipetalonema rugosicauda by feeding through glass capillary tubes, microfilariae completed development only if ticks were allowed to complete engorgement on rabbits

Feeding
Wright FC; DeLoach JR
1980 J Med Entom 17 (2) Mar 31 186-187 Wa
Psoroptes cuniculi, rabbits (exper.), feeding monitored by $^{51}$Cr-labeled hemoglobin, data suggest that mites penetrate capillaries and ingest intact erythrocytes

Feeding
Wrona FJ; Davies RW; Linton L
1979 Canad J Zool 57 (11) Nov 2136-2142 Wa
Glossiphonia complanata, analysis of food niche, serological techniques, examination of prey utilization with respect to field range, seasonality, and weight (size-age) differences

Fertility See Reproduction

Films, Photographic See Motion pictures

Fine structure See Morphology

Fixation See Technique, Specimen preparation and preservation

Fluorescent antibody See Immunofluorescence

Foci [See also Disease transmission; Epidemiology]

Foci
Azimov DA
1978 Uzbek Biol Zhurnal (3) 44-46 Wa
Orientobilharzia spp., zoogeographic aspects of distribution, foci development

Foci
Bessonov AS
1963 Trudy Vsesoiuz Inst Gel'mint 10 37-45 Wa
trichinosis, geographic distribution and types of foci in Russia

Foci
Narzikulov MN
1979 Izvest Akad Nauk Tadzhiksk SSR Otdel Biol Nauk (4 (77)) Oct-Dec 3-11 Wa
Pavlovskii's doctrine of natural foci of disease, forty years

Forecasting
Gardiner WP; Gettinby G; Gray JS
1981 Vet Parasitol 9 (1) Oct 75-86 Wa
Ixodes ricinus, models based on weather for predicting tick development times

Forecasting
Gettinby G; Gardiner WP
1980 Internat J Biometeorol 24 Suppl 2 87-103 Wa
parasitic diseases of cattle and sheep, use of forecast systems based on climatic indices as indicator of parasite incidence, review

Forecasting
Mereminskii AI; Gluzman IIa
1979 Veterinariia Moskva (7) July 43-45 Wa
fascioliasis, sheep, paramphistomiasis, cattle, hydrothermic and biotic factors as basis for forecasting and control of diseases: Rovensk oblast

Forecasting
Ollerenshaw CB
1974 Symposia Brit Soc Parasitol 12 33-52 Wa
Fasciola hepatica, forecasting liver fluke disease on basis of interaction between climate and life cycle, review

Forecasting
Onori E; Grab B
1980 Bull World Health Organ 58 (1) 91-98 Wa
human malaria, indicators for forecasting epidemics (entomological, parasitological, immunological, meteorological, and environmental)

Forecasting
Onori E; Grab B
1980 Bull World Health Organ 58 (2) 321-326 Wa
Plasmodium vivax, humans, quantitative estimates of the evolution of an epidemic in Turkey if remedial measures had not been taken, projections of monthly and annual incidence

Forecasting
Over HJ; Wetzlar YIEA
1980 Tijdschr Diergeneesk 105 (18) Sept 15 771-775 Wa
Fasciola hepatica, cattle, sheep, predictability of infections, relationship between rainfall and incidence: Netherlands

Forecasting
Short NJ; Norval RAI
1981 Trop Animal Health and Prod 13 (1) Feb 19-26 Wa
Rhipicephalus appendiculatus (vector of Theileria parva), seasonal occurrence, regulatory roles of different climatic factors (humidity, temperatures, daylength), simple model which can be used to predict seasonal occurrence of adults: Africa

Forecasting
Starr JR; Thomas RJ
1980 Internat J Biometeorol 24 (3) Sept 223-229 Wa
parasitic gastro-enteritis in lambs, estimating timing of larval emergence peak, attempt to model 'surface wetness' and temperature limitation to nematode development: North East England

Forecasting
Thomas RJ
1974 Symposia Brit Soc Parasitol 12 13-32 Wa
role of climate in epidemiology of nematode parasitism in ruminants, possibilities for interpreting and predicting parasite population patterns on basis of meterological data, review

Forecasting
Young RR et al
1980 Parasitology 81 (3) Dec 493-505 Wa
Ostertagia ostertagi, quantitative modelling and prediction of development times of free-living stages under controlled and field conditions, relationships with temperature

Fossil parasites See Parasitology, History

Freezing [See also Technique, Specimen preparation and preservation; Temperature]

Freezing
Christensen NO; Frandsen F; Roushdy MZ
1980 Ztschr Parasitenk 64 (1) 47-63 Wa
Echinostoma liei, influence of various physico-chemical environmental conditions on egg hatchability; miracidial host-finding capacity and level of parasitisation in Biomphalaria glabrata, susceptibility of different snails to infection, cercarial and metacercarial infectivity in relation to some first and second intermediate host-related factors, cercarial shedding, metacercarial longevity

Freezing
Cliff GM; Anderson RC
1980 J Helminth 54 (2) June 135-146 Wa
Pelodera strongyloides, development in culture, description of adults and developmental stages, effect of temperature on development, longevity of adults, exsheathment and development of dauerlarvae, storage of dauerlarvae, effect of freezing and desiccation on survival of dauerlarvae

Freezing
Coles GC; Simpkin KG; Briscoe MG
1980 Research Vet Sc 28 (3) May 391-392 Wa
Nematospiroides dubius and ruminant nematode larvae, routine cryopreservation

Freezing
Dalgliesh RJ; Mellors LT; Blight GW
1980 Cryobiology 17 (4) Aug 410-417 Wa
Babesia rodhaini, comparisons of glucose, sucrose, and dimethyl sulfoxide as cryoprotective agents, survival rates

Freezing
Dies K
1980 Canad Vet J 21 (2) Feb 38 Wa
Trichinella spiralis larvae, survival in deep-frozen wolf tissue

Freezing
Dubey JP
1980 J Am Vet Med Ass 177 (12) Dec 15 1203-1207 Wa
Toxoplasma gondii cysts, goats (nat. and exper.), distribution and persistence in various organs and tissues and in milk, effect of freezing meat, public health significance

Freezing
Gray GD; Phillips RS
1981 Research Vet Sc 30 (3) May 388-389 Wa
Babesia microti, use of sorbitol in cryopreservation

Freezing
Greene BM; Schiller EL
[1980] J Parasitol 65 (6) Dec 1979 861 Issued Apr 2 Wa
O[nchocerca] volvulus, technique for purification of microfilariae from cryopreserved human nodular tissue

Freezing
Ham PJ et al
1981 Parasitology 83 (1) Aug 139-146 Wa
Onchocerca microfilariae, improved technique for cryopreservation

Freezing
Ham PJ; Bianco AE
1981 J Helminth 55 (1) Mar 59-61 Wa
Onchocerca gutturosa, quantification of cryopreservation technique for microfilariae in skin snips, recoveries of microfilariae compared to unfrozen controls

Freezing
Heydorn AO
1980 Berl u Munchen Tierarztl Wchnschr 93 (14) July 15 267-270 Wa
Sarcocystis bovicanis sporocysts, effect of various physical factors on excystation and viability of excysted sporozoites in vitro, subsequent infectivity to calves

Freezing
Hubert J
1980 Rec Med Vet 156 (1) Jan 47-50 Wa
Ostertagia circumcincta, Trichostrongylus colubriformis, deep-freezing digestive tracts before examinations, useful technique

Freezing
James ER
1980 Internat J Nuclear Med and Biol 7 (2) 125-132 Wa
production and cryopreservation of schistosomula for use in vaccination, review

Freezing
James ER
1981 Exper Parasitol 52 (1) Aug 105-116 Wa
Schistosoma mansoni, schistosomula, cryopreservation by two-step addition of ethanediol and rapid cooling

Freezing
Jongejan F et al
1980 Research Vet Sc 29 (3) Nov 320-324 Wa
Theileria parva, artificial infection of Rhipicephalus appendiculatus using fresh or cryopreserved infected blood, failure to infect ticks with cell culture grown stages of parasite

Freezing
Lawrence DN
1980 Am J Trop Med and Hyg 29 (2) March 313-315 Wa
Mansonella ozzardi microfilariae concentrated from human blood, frozen with cryoprotectant chemical, and stored at liquid or vapor-phase liquid nitrogen temperatures were motile when thawed 2.5 years later

Freezing
Leef JL; Strome CPA; Beaudoin RL
1979 Bull World Health Organ 57 suppl 1 87-91 Wa
Plasmodium berghei, low-temperature preservation of sporozoites, source of potential antigen in development of malaria vaccine

Freezing
Liddell KG; Lucas SB; Williams H
1981 Parasitology 82 (2) Apr 205-224 Wa
Babesia divergens (strain isolated from fatal human case)-infected Meriones unguiculatus, useful laboratory host: general course of disease, cryopreservation of infected blood, host adaptation/parasite virulence during semi-continuous passage, parasite morphology, haematological, blood biochemical, and pathological findings, immunity of recovered animals to further challenge

Freezing
Llorente Lacha, V
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 353-360 Wa
Toxoplasma gondii, freezing in liquid nitrogen, effective method of storing

Freezing
Lok JB et al
1980 Am J Trop Med and Hyg 29 (3) May 382-388 Wa
Onchocerca spp., Aedes aegypti as surrogate host in laboratory, infection rates, mosquito mortality, infectivity of cryopreserved microfilariae, incidence of abnormal parasite development

Freezing
Minjas JN; Townson H
1980 Ann Trop Med and Parasitol 74 (5) Oct 571-573 Wa
microfilariae of 4 spp., successful cryopreservation with hydroxyethyl starch as cryoprotectant

Freezing
Mons B; van der Kaay HJ
1980 Acta Leidensia 48 9-16 Wa
Plasmodium berghei berghei, effect of cryopreservation on gametocytogenesis

Freezing
Orjih AU; Nussenzweig RS
1980 Am J Trop Med and Hyg 29 (3) May 343-347 Wa
Plasmodium berghei, mice, immunization with cryopreserved irradiated sporozoites

Freezing
Purnell RE et al
1979 J South African Vet Ass 50 (4) Dec 339-344 Wa
Babesia divergens, isolation, cryopreservation, and characterisation of isolates, preparation of irradiated blood-derived vaccine, subsequent inoculation into calves produced immune response without pathogenic effects, field trials: British Isles

Freezing
Renshaw HW; Magonigle RA; Vaughn HW
1979 J Wildlife Dis 15 (3) July 379-386 Wa
Anaplasma marginale in Cervus canadensis canadensis following inoculation with infected fresh bovine blood, hematologic, serologic, and clinical studies, evaluation of rapid card agglutination test, subsequent transmission to splenectomized bovine calves; failure to infect elk using frozen blood from known bovine carriers

Freezing
Rose JH; Small AJ
1980 Parasitology 81 (3) Dec 507-517 Wa
Oesophagostomum dentatum, development and survival of free-living stages in natural environments out-of-doors (effect of climatic conditions) and under controlled conditions in laboratory (effect of temperature and humidity)

Freezing
Schiller EL et al
1980 Trop Dis Research Ser (3) 391-393 Wm
Onchocerca volvulus, cryopreservation and in vitro cultivation, workshop presentation

Freezing
Schupp E et al
1980 Ztschr Parasitenk 62 (3) 213-230 Wa
Trypanosoma brucei, ultrastructural changes during deep-freeze storage related to impairments in motility and infectivity

Freezing
Soares VA; Marsden PD
1979 Rev Brasil Pesqui Med e Biol 12 (6) Dec 367-370 Wm
Trypanosoma cruzi, survival in dead vector bugs (exper.), Peru strain survived 8 days in Triatoma infestans and 9 days in Dipetalogaster maximus, freezing increased survival time to 60 days

Freezing
Stewart CG; Van Dellen AF; Botha WS
1979 J South African Vet Ass 50 (3) Sept 165-168 Wa
Encephalitozoon, dogs originating from kennels with 3 separate outbreaks, isolation in primary kidney cultures, clinical signs, attempted artificial infection, cryopreservation of tissue culture cells

Freezing
Walter CA; James ER
1981 Cryobiology 18 (2) Apr 125-132 Wa
Schistosoma mansoni, ultrastructural appearance of freeze-substituted schistosomula frozen by two-step cooling schedule

Freezing
Weathersby AB; McCall JW
1981 Cryobiology 18 (3) June 313-314 Wa
Plasmodium gallinaceum, cryopreservation of sporozoites for 16 years at -196°C

Freezing
Wolters E; Heydorn AO; Laudahn C
1980 Berl u Munchen Tierarztl Wchnschr 93 (11) June 1 207-210 Wa
Cystoisospora felis oocysts and Sarcocystis bovifelis sporocysts in feces of cats fed raw bovine diaphragm muscle, no oocysts or sporocysts excreted when cats were fed same tissue after deep-freezing; continuous oocyst passage in cats of two isolates of C. felis resulted in significant differences in prepatent periods and reproduction levels between isolates, differences perhaps related to adaptations to one- or two-host modes of transmission

Freezing
Zardi O; Soubotian B
1979 Biochem and Exper Biol 15 (4) 355-360 Wa
Toxoplasma gondii, survival in body liquids and tissues at different temperatures and after freezing, implications for disease transmission

French Guiana
Eutrope R; Juminer B
1978 Bull Soc Path Exot 71 (3) May-June 275-279 Wa
intestinal parasites, children, fecal survey, age distribution: laboratoire du Centre Hospitalier de Cayenne, Guyane

Fungi
Balaraman K; Jambulingam P; Rajagopalan PK
1981 Indian J Med Research 73 Suppl Jan 160-162 Wa
Metarrhizum anisopliae, highly entomotoxic to local strains of Culex filariasis vectors and Anopheles malaria vectors in Pondicherry, India

Fungi
Caceres O et al
1979 Rev Inst Med Trop S. Paulo 21 (1) Jan-Feb 5-12 Wm
Trypanosoma cruzi, culture forms, Aspergillus sp. in liquid medium is lethal to parasites

Fungi
Chatterjee A et al
1980 Ann Trop Med and Parasitol 74 (1) Feb 101-102 Wa
Demodex canis, mongrel dog, associated Trichophyton mentagrophytes infection

Fungi
Doncaster CC
1981 Parasitology 82 (3) June 421-428 Wa
Dictyocaulus viviparus infective juveniles, relationships with coprophilous fungi, fungus apparently provides nematode requirements for survival and dispersal

Fungi
Thatcher VE
1979 Acta amazonica 9 (2) June 389-392 Wa
Amazonadistoma negrensis n. sp., first black trematode, color believed to be caused by fungal invasion

Fungi
Wright KA
1979 Proc Helminth Soc Washington 46 (2) July 213-223 Issued Aug 14 Wa
Rhigonema infecta in Narceus annularis (ileum), associated with fungus Enterobryus elegans, attachment of fungus holdfast to millipede and nematode cuticles, scanning and transmission electron microscopy; fungus only rarely found on Johnstonia sp. and Aorurus sp. in N. annularis (posterior hindgut); extensive bacterial flora present: Georgian Bay, Ontario

Gabon
Garin Y et al
1978 Bull Soc Path Exot 71 (2) Mar-Apr 157-164 Wa
intestinal parasites, humans, prevalence survey: Gabon

Gall bladder [See also Biliary tract]

Gall bladder
Min DY et al
1977 Yonsei Rep Trop Med 8 (1) Nov 57-63 Wm
Ascaris lumbricoides, Clonorchis sinensis, and tapeworm eggs found during parasitological examination of gallstones removed surgically from patients with cholelithiasis, possible role as nidus of gallstone formation: Seoul and Jeonra-Bug Do Province, Korea

Gall stones See Gall bladder

Gambia
Knight R; Merrett TG
1981 Ann Trop Med and Parasitol 75 (3) June 299-314 Wa
Necator americanus, human, prevalence and intensity by age and sex, seasonal changes, morbidity (asthma, growth parameters, haemoglobin), total IgE levels, other parasites: The Gambia

Gametes [See also Gametogenesis]

Gametes
Abbas MK; Cain GD
1981 Cell and Tissue Research 214 (3) 553-567 Wa
Ascaris suum, involvement of surface receptors in transformation of spermatozoa

Gametes
Ade-Serrano MA; Ejezie GC; Kassim OO
1981 J Clin Microbiol 13 (1) Jan 195-198 Wa
Plasmodium falciparum-infected rural Nigerian school children, correlation of gametocytemia with complement component titers

Gametes
Aikawa M et al
1981 J Protozool 28 (3) Aug 383-388 Wa
Plasmodium gallinaceum, interaction of monoclonal antibodies with gametes, electron microscopic study

Gametes
Ball SJ et al
1981 Parasitology 82 (1) Feb 131-135 Wa
Eimeria maxima, structure and development of microgametocytes, scanning and transmission electron microscopy

Gametes
Dei-Cas E et al
1980 Ann Parasitol 55 (6) Nov-Dec 621-633 Wa
Plasmodium inui in splenectomized Macaca fascicularis, morphology and infectivity of gametocytes, course of gametocytemia

Gametes
El Said A; Swiderski Z
1980 Cell and Tissue Research 208 (1) May 35-45 Wa
Amblyomma hebraeum, structure of spermatozoa, regional specialization of sperm membrane in relation to sperm motility

Gametes
Euzet L; Swiderski Z; Mokhtar-Maamouri F
1981 Ann Parasitol 56 (3) 247-259 Wa
cestodes, spermatozoa, comparative ultrastructure, evolutionary implications

Gametes
Gerber JE et al
1981 J Clin Microbiol 13 (1) Jan 236-237 Wa
Plasmodium vivax, exflagellation of microgametocytes in human peripheral blood, diagnostic implications

Gametes
Greiner EC; Forrester DJ
1980 J Parasitol 66 (4) Aug 652-658 Wa
Haemoproteus meleagridis, redescription, developmental morphology of gametocytes, gametogenesis: Florida; Georgia

Gametes
Hathaway RP
1979 Proc Helminth Soc Washington 46 (2) July 201-206 Issued Aug 14 Wa
Aspidogaster conchicola, morphology of crystalline cytoplasmic inclusions in primary oocytes, electron microscopy

Gametes
Marchand B; Mattel X
1980 Compt Rend Soc Biol Paris 174 (5) 933-936 Wa
Pallisentis golvani, during spermiogenesis the plasmic membrane surrounding the flagellum forms a nucleocytoplasmic groove rather than a cytoplasmic canal

Gametes
Martin J; Lee DL
1980 Parasitology 81 (3) Dec 579-586 Wa
Nematodirus battus, structure of male reproductive system and spermatogenesis in young adult males

Gametes
Mueller BEG; Desser SS; Haberkorn A
1981 J Parasitol 67 (4) Aug 487-495 Wa
Eimeria contorta in rat intestinal epithelial cells, ultrastructure of developing gamonts with emphasis on host-parasite interface

Gametes
Nelson GA; Ward S
1981 Exper Cell Research 131 (1) Jan 149-160 Wa
Ascaris lumbricoides, amoeboid motility and actin in spermatozoa

Gametes
Paterson WB; Desser SS
1981 J Parasitol 67 (3) June 314-324 Wa
Eimeria iroquoina in Pimephales promelas, ultrastructural study of microgametogenesis and microgamete

Gametes
Paterson WB; Desser SS
1981 J Parasitol 67 (4) Aug 496-504 Wa
Eimeria iroquoina in Pimephales promelas (exper.), ultrastructure of macrogametogenesis, macrogametes, and young oocysts

Gametes
Rohde K
1980 Ang Parasitol 21 (1) Feb 32-48 Wa
Gotocotyla secunda, Hexostoma euthynni, ultrastructure of various organ systems, phylogenetic relationship to parasitic platyhelminths

Gametes
Rudzinska MA et al
1979 Canad J Zool 57 (2) Feb 424-434 Wa
Babesia microti, intraerythrocytic 'gametocytes' and their maturation in Ixodes sp. near scapularis, electron microscopic study of possible cell fusion

Gametes
Sharma AN; Sharma PN
1980 Indian J Exper Biol 18 (11) Nov 1282-1287 Wa
Ceylonocotyle scoliocoelium, histochemical localization of proteins, lipids, glycogen, DNA, RNA, acid phosphatase, and succinate dehydrogenase in various stages of spermatogenesis

Gametes
Sheffield HG; Fayer R
1980 Proc Helminth Soc Washington 47 (1) Jan 118-121 Issued Feb 15 Wa
Sarcocystis bovicanis, fertilization by fusion of plasma membranes of micro- and macrogamete and transfer of nuclear material, electron micrograph

Gametes
Smalley ME; Brown J
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 316-317 Wa
Plasmodium falciparum gametocytogenesis stimulated by lymphocytes and serum from infected Gambian children

Gametes
Smalley ME; Brown J; Bassett NM
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 318-319 Wa
Plasmodium falciparum, rate of production of gametocytes in patients with and without mature gametocytes in their peripheral blood

Gametes
Wu YJ; Foor WE
1980 J Parasitol 66 (3) June 439-447 Wa
Ascaris suum oocytes, ultrastructural and immunocytochemical changes during passage through oviduct, changes in surface membrane antigens

Gametogenesis [See also Gametes; Meiosis; Reproduction]

Gametogenesis
Ball SJ et al
1981 Parasitology 82 (1) Feb 131-135 Wa
Eimeria maxima, structure and development of microgametocytes, scanning and transmission electron microscopy

Gametogenesis
Carter R; Miller LH
1979 Bull World Health Organ 57 suppl 1 37-52 Wa
Plasmodium falciparum, evidence for environmental modulation of gametocytogenesis in continuous culture

Gametogenesis
Greiner EC; Forrester DJ
1980 J Parasitol 66 (4) Aug 652-658 Wa
Haemoproteus meleagridis, redescription, developmental morphology of gametocytes, gametogenesis: Florida; Georgia

Gametogenesis
Grey AJ; Mackiewicz JS
1980 Internat J Parasitol 10 (5-6) Nov-Dec 397-407 Wa
Glaridacris catostomi, mitotic and meiotic chromosomes, diploidy, triploidy, and parthenogenesis, taxonomic and evolutionary implications

Gametogenesis
Herbaut C et al
1980 Ann Parasitol 55 (6) Nov-Dec 679-685 Wa
Trichinella spiralis, oogenesis, ultrastructure

Gametogenesis
Jenkins T; Larkman A; Funnell M
1979 Internat J Invert Reprod 1 (6) Dec 371-385 Wa
Trichuris muris, spermatogenesis, fine structure of spermatogonia

Gametogenesis
Kaushal DC et al
1980 Nature London (5772) 286 July 31 490-492 Wa
Plasmodium falciparum, gametocytogenesis in continuous culture

Gametogenesis
Marchand B; Mattel X
1980 Compt Rend Soc Biol Paris 174 (5) 933-936 Wa
Pallisentis golvani, during spermiogenesis the plasmic membrane surrounding the flagellum forms a nucleocytoplasmic groove rather than a cytoplasmic canal

Gametogenesis
Martin J; Lee DL
1980 Parasitology 81 (3) Dec 579-586 Wa
Nematodirus battus, structure of male reproductive system and spermatogenesis in young adult males

Gametogenesis
Mons B; van der Kaay HJ
1980 Acta Leidensia 48 9-16 Wa
Plasmodium berghei berghei, effect of cryopreservation on gametocytogenesis

Gametogenesis
Osburn RL
1981 Ann Entom Soc Am 74 (2) Mar 177-179 Wa
Dermacentor albipictus, timing of ecdysis and spermatogenesis, % of males and females ecdysing from ticks collected as engorged nymphs

Gametogenesis
Osburn RL; Davey RB; Thompson GD
1980 Ann Entom Soc Am 73 (5) Sept 613-616 Wa
Boophilus annulatus, B. microplus, testes development, timing and occurrence of spermatogenesis, karyotypes

Gametogenesis
Panfilova IM
1980 Zool Zhurnal 59 (8) Aug 1137-1147 Wa
Ixodes persulcatus, feeding females, inhibition of growth and oogenesis related to absence of fertilization, disturbances in activity of synganglion neurosecretory cells and lateral organs, dynamics of activity of different elements of neuro-endocrine system compared in feeding non-fertilized and fertilized females (these changes in non-fertilized females considered an adaptation to long wait for fertilization)

Gametogenesis
Paterson WB; Desser SS
1981 J Parasitol 67 (3) June 314-324 Wa
Eimeria iroquoina in Pimephales promelas, ultrastructural study of microgametogenesis and microgamete

Gametogenesis
Paterson WB; Desser SS
1981 J Parasitol 67 (4) Aug 496-504 Wa
Eimeria iroquoina in Pimephales promelas (exper.), ultrastructure of macrogametogenesis, macrogametes, and young oocysts

Gametogenesis
Rechav Y; Knight MM
1981 J Parasitol 67 (1) Feb 85-89 Wa
Rhipicephalus glabroscutatum, life cycle in laboratory, spermatogenesis, seasonal activity and hosts

Gametogenesis
Sharma AN; Sharma PN
1980 Indian J Exper Biol 18 (11) Nov 1282-1287 Wa
Ceylonocotyle scoliocoelium, histochemical localization of proteins, lipids, glycogen, DNA, RNA, acid phosphatase, and succinate dehydrogenase in various stages of spermatogenesis

Gametogenesis
Thomas C; Prasad RS
1980 Cytobios (114) 29 109-114 Wa
Ctenocephalides orientis, observations on sex-determining mechanism and chromosomal behavior during mitosis and meiosis, first report of chromosome elimination in Siphonaptera

Gametogenesis
Valero A; Pretel A
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 119-122 Wa
Marshallagia marshalli, spermatogenesis, chromosomes, presence of extra chromosome

Gametogenesis
Vijayaraghavan S; Subramanyam S
1980 Ztschr Parasitenk 63 (1) 65-70 Wa
Acanthotaenia multitesticulata, chromosome numbers during gametogenesis

Gamma radiation See Radiation

Gastritis [See also Stomach]

Gastritis
Overstreet RM; Meyer GW
1981 J Parasitol 67 (2) Apr 226-235 Wa
Hysterothylacium type MB larvae from Paralichthys lethostigma as cause of hemorrhagic lesions in stomach of Macaca mulatta (exper.), implications for human consumption of raw seafood

Gastroenteritis [See also Intestine; Stomach]

Gastroenteritis
Eckert J; Buerger HJ
1979 Berl u Munchen Tierarztl Wchnschr 92 (23) Dec 1 special no 449-457 Wa
trichostrongylids, cattle, gastroenteritis, etiology, epidemiology, clinical signs, diagnosis, control, chemotherapy, review

Gastroenteritis
Pullan NB; Sewell MMH
1980 Trop Animal Health and Prod 12 (4) Nov 203-208 Wa
parasitic gastro-enteritis, White Fulani calves, thiabendazole treated vs. untreated, egg counts, packed cell volumes, serum albumin concentrations, and weight gains compared, seasonal distribution, climatic factors: Jos plateau, Nigeria

Gel diffusion See Immunity, Precipitation

Genes See Chromosomes; Genetics

Genetics [See also Adaptation; Chromosomes; Evolution]

Genetics, Host
Albers GAA
1981 Mededel Landbouwhogeschool Wageningen 81 (1) 118 pp Wa
Cooperia oncophora, calves (exper.), genetic resistance to infection

Genetics, Host
Albright JW; Albright JF
1981 Infect and Immun 33 (2) Aug 364-371 Wa
Trypanosoma musculi, various strains of inbred mice, differences in resistance to infection, analysis of possible mechanisms, concluded that variations in immune responsiveness to parasite antigens (probably not associated with H-2 complex and possibly in concert with variations in a non-immunological mechanism) are responsible

Genetics, Host
Al-Mashhadani HM; Davidson G; Curtis CF
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 585-594 Wa
Plasmodium berghei berghei, genetics of susceptibility and refractoriness of Anopheles gambiae to infection

Genetics, Host
Bernstein SC et al
1980 Human Hered 30 (4) 251-258 Wm
Plasmodium falciparum, human, malaria appears to be selective pressure keeping hemoglobin S frequencies high but may not be major selective force maintaining glucose-6-phosphate dehydrogenase polymorphism: Cameroon

Genetics, Host
Bhattacharyya PK et al
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 615-616 Wa
Plasmodium vivax and P. falciparum endemic area, first report of sickle cell trait in Santhals (a tribal community): Ajodhya hills, Purulia district, West Bengal, India

Genetics, Host
Bickle Q et al
1980 Exper Parasitol 50 (2) Oct 222-232 Wa
Schistosoma mansoni, mice, influence of host's sex, age, and strain on resistance to reinfection

Genetics, Host
Bienzle U; Guggenmoos-Holzmann I
1979 Immun u Infekt 7 (6) Dec 196-201 Wm
malaria, significance of hereditary red cell traits HbS and G6PD-deficiency in innate resistance

Genetics, Host
Bienzle U; Guggenmoos-Holzmann I; Luzzatto L
1981 Internat J Epidemiol 10 (1) Mar 9-15 Wm
malaria in children (mostly Plasmodium falciparum) living in holoendemic malaria region, clinical parameters such as parasitaemia and degree of anaemia examined with respect to sex, age, haemoglobin types, and erythrocyte glucose-6-phosphate dehydrogenase variants: West Africa

Genetics, Host
Blackwell J; Freeman J; Bradley D
1980 Nature London (5742) 283 Jan 3 72-74 Wm
Leishmania donovani, mice, influence of H-2 complex on acquired resistance

Genetics, Host
Bloom BR; Tanowitz H; Wittner M
1979 Immune Mech and Dis 69-100 Wm; Wa
mechanisms for escape of immune surveillance by parasites, review (old-time genetic engineering; antigenic variation; antigenic mimicry and concomitant immunity; learning to live in your macrophages; jamming the immune response; subversion of the immune system)

Genetics, Host
Brindley PJ; Dobson C
1981 Parasitology 83 (1) Aug 51-65 Wa
Nematospiroides dubius, genetic control of liability to infection in Mus musculus, selection of refractory and liable host populations, females less liable than males

Genetics, Host
Bullini L
1977 Parassitologia 19 (3) Dec 175-180 Wa
insect vectors, biological and genetic control methods, review

Genetics, Host
Carnevale P et al
1981 Ann Genet 24 (2) 100-104 Wa
Plasmodium falciparum, human, relationship between sickle cell trait and malaria, data for this region fail to confirm hypothesis that AS genotype protects carrier against infection: Djoumouna (region de Brazzaville), Republique Populaire du Congo

Genetics, Host
Carson PE et al
1981 Bull World Health Organ 59 (3) 427-437 Wa
primaquine, metabolites, preliminary studies on toxicology and genetic factors associated with their toxicity in man

Genetics, Host
Charmot G
1980 Med Trop 40 (6) Nov-Dec 657-665 Wm
P[lasmodium] falciparum, humans, congenital and genetic factors of resistance to infection in tropical areas, general review: Africa

Genetics, Host
Chiu JK et al
1981 Internat J Parasitol 11 (5) Oct 391-397 Wa
Schistosoma japonicum, susceptibility of Oncomelania hupensis formosana recombinants and hybrids with O. h. nosophora to infection with 3 parasite strains, possibility of using O. h. formosana in biological control of S. japonicum

Genetics, Host
Claas FHJ; Deelder AM
1980 Acta Leidensia 48 23-27 Wa
Schistosoma mansoni, mice of two congenic inbred strains, considerable differences in mortality and in antibody titer, findings suggest that I-region of H-2 complex may influence immune response to infection

Genetics, Host
Cunningham DS; Kuhn RE
1980 Immunogenetics 10 (6) June 1 557-571 Wa
Trypanosoma cruzi-induced suppressor substance (SS), mode of action in inhibiting responses of lymphoid cells to T-cell-dependent and -independent antigens, evidence that effectiveness of SS is related to H-2 haplotype of cells being suppressed

Genetics, Host
Dawkins HJS et al
1980 Internat J Parasitol 10 (2) Apr 125-129 Wa
Strongyloides ratti, 11 inbred strains of mice and 1 outbred strain, susceptibility to infection, effect of host age, host sex, dose, and route of injection, resistance to challenge infection; C57Bl/6 and CBA mice may provide useful model hosts

Genetics, Host
Dineen JK; Windon RG
1980 Internat J Parasitol 10 (3) June 189-196 Wa
Trichostrongylus colubriformis, effect of sire selection on response of lambs to vaccination with irradiated larvae

Genetics, Host
Dowling DF
1980 Austral Vet J 56 (11) Nov 552-554 Wa
adaptability of low cost tick-resistant cattle capable of efficient growth for beef production

Genetics, Host
El-On J; Bradley DJ; Freeman JC
1980 Exper Parasitol 49 (2) Apr 167-174 Wa
Leishmania donovani, action of excreted factor on hydrolytic enzyme activity of macrophages from mice with genetically different resistance to infection, implications for mechanism whereby leishmanial amastigotes survive in mononuclear phagocytes in presence of lysosomal enzymes

Genetics, Host
Eugui EM; Allison AC
1979 Bull World Health Organ 57 suppl 1 231-238 Wa
Plasmodium chabaudi, course of infection in different strains of mice, cross immunity between P. chabaudi and P. yoelii in different mouse strains, changes in spleen at different intervals after infection, natural killer activity in spleens of mice infected with malaria

Genetics, Host
Eugui EM; Allison AC
1980 Parasite Immunol 2 (4) Winter 277-292 Wa
Plasmodium chabaudi, Babesia microti, mice, striking differences in susceptibility to infection among different host strains, these differences do not seem to be related to H-2 constitution but may be correlated with natural killer cell activity in spleen

Genetics, Host
Eugui EM; Emery DL
1981 Nature London (5803) 290 Mar 19 251-254 Wa
Theileria parva, genetically restricted cell-mediated cytotoxicity in immune cattle

Genetics, Host
Facer CA
1980 Clin and Exper Immunol 41 (1) July 81-90 Wa
Plasmodium falciparum, Gambian children, direct antiglobulin reactions, IgG subclass and Gm allotype distribution of red cell-bound IgG molecules, association with anemia

Genetics, Host
Fanning MM et al
1981 J Infect Dis 144 (2) Aug 148-153 Wa
Schistosoma mansoni, course of infection studied in various inbred strains of mice (according to degree of portal hypertension, granuloma size, organomegaly), data indicate that immunopathology associated with parasitic infection in mice is influenced by genetic background of host and is dependent in part on cell-mediated immunity

Genetics, Host
Fletcher KA et al
1981 Bull World Health Organ 59 (3) 407-412 Wa
primaquine, studies on pharmacokinetics (sensitive and specific assay for evidence of drug in plasma and urine, effects of single and multiple oral doses, variations between Caucasians and Thai subjects and persons with G6PD deficiency, effects on methaemoglobin levels)

Genetics, Host
Geczy AF; Rothwell TLW
1981 Parasitology 82 (2) Apr 281-286 Wa
Trichostrongylus colubriformis, guinea pigs, influence of genes within major histocompatibility complex on susceptibility to infection

Genetics, Host
German J
1980 Ann Genet 23 (2) 69-72 Wa
hypothesis relating frequency of xeroderma pigmentosum phenotype in Japan and Egypt to possible associated resistance to schistosomiasis

Genetics, Host
Gloria-Bottini F
1980 Experientia 36 (5) May 15 541-543 Wa
relations between G-6-PD deficiency, thalassemia, and malaria: Sardinia; Po Valley

Genetics, Host
Gorczynski RM et al
1981 Cellular Immunol 60 (2) May 15 367-375 Wa
Leishmania enrietti, macrophage subpopulations from uninfected and immune guinea pigs of different strains, ability to support parasite growth in vitro and to promote proliferation in lymphocytes of animals recovered from primary lesion, evidence that macrophage heterogeneity and Ir-gene control are factors involved in immune response of guinea pigs to infection with L. enrietti

Genetics, Host
Green WF; Colley DG
1981 Proc National Acad Sc Biol Sc 78 (2) Feb 1152-1156 Wa
Schistosoma mansoni, mice, modulation of egg-induced granuloma formation, role of I-J locus in regulating suppressor T lymphocyte aspects of modulation

Genetics, Host
Griffin L
1980 Vet Parasitol 7 (2) Sept 123-131 Wa
Haemonchus contortus, sheep of different hemoglobin types (exper.), phenothiazine treatment shortly after patency, faecal egg output, haematological indices, and worm burden (of arrested larvae and adults) at intervals after infection; removal of adult worms by treatment did not stimulate resumption of development of arrested larvae, hemoglobin type may be factor in arrest of larvae as it is in resistance to adult worms

Genetics, Host
Gross WG [i e WB] et al
1980 Poultry Science 59 (2) Feb 205-210 Wa
resistance to infectious diseases including Eimeria necatrix and Ornithonyssus sylviarum in 3 pairs of genetically selected lines of chickens

Genetics, Host
Guggenmoos-Holzmann I; Bienzle U; Luzzatto L
1981 Internat J Epidemiol 10 (1) Mar 16-22 Wm
Plasmodium falciparum, children under age 6, incidence and severity of infection with respect to haemoglobin types and red cell glucose-6-phosphate dehydrogenase variants, results suggest that the presence of these genetic traits offers selective advantage against infections, possible mechanisms discussed

Genetics, Host
Hall RD et al
1978 Poultry Science 57 (6) Nov 1728-1732 Wa
Ornithonyssus sylviarum, Leghorn roosters (exper.), effect of corticosterone and inbred antibody competency on mite population development, antibody competency alone probably was not responsible for observed differences

Genetics, Host
Hamilton WD
1980 Oikos 35 (2) Oct 282-290 Wa
parasite pressure as an evolutionary factor sufficiently general to account for host sex wherever it exists, 2 models (one-locus diploid selection and two-locus haploid selection)

Genetics, Host
Haque A et al
1980 Exper Parasitol 49 (3) June 398-404 Wa
Dipetalonema viteae, attempted infection with 3rd stage larvae in different mouse strains and in nude mice, microfilariae production in different mouse strains and in nude mice after implantation of adult female parasites

Genetics, Host
Hitzeroth HW; Bender K
1980 Human Genet 54 (2) 233-242 Wm
[Plasmodium] falciparum, South African Negroes belonging to 7 different ethnic groups, high geographic co-distribution and interrelationship of G-6-PD deficiency and the occurrence of falciparum malaria in South Africa

Genetics, Host
Howard JG; Hale C; Chan-Liew WL
1980 Parasite Immunol 2 (4) Winter 303-314 Wa
Leishmania tropica major, immunogenetic aspects of susceptibility to infection in different strains of mice

Genetics, Host
Howard JG; Hale C; Liew FY
1980 J Exper Med 152 (3) Sept 1 594-607 Wa
Leishmania tropica, nature and significance of specific suppression of cell-mediated immunity in highly susceptible mice

Genetics, Host
Howard JG; Hale C; Liew FY
1980 Nature London (5787) 288 Nov 13 161-162
Wa
Leishmania tropica, genetically-determined susceptibility to infection is expressed by haematopoietic donor cells in mouse radiation chimaeras

Genetics, Host
Howard JG; Hale C; Liew FY
1981 J Exper Med 153 (3) Mar 1 557-568 Wa
Leishmania tropica, prophylactic effect of sublethal irradiation as result of abrogation of suppressor T cell generation in genetically susceptible BALB/c mice

Genetics, Host
Jayasekera N et al
1980 Tropenmed u Parasitol 31 (4) Dec 507-511
Wa
Wuchereria bancrofti, strains from Liberia and Sri Lanka differ in their ability to infect different strains of Culex quinquefasciatus, concluded that Liberian C. quinquefasciatus could not provide genes for use in construction of refractory strain intended for replacement of Sri Lankan vector populations

Genetics, Host
Jayawardena AN; Kemp JD
1979 Bull World Health Organ 57 suppl 1 255-259
Wa
Plasmodium yoelii and Babesia microti in CBA/N mice which carry X-linked recessive immunological defect, increased duration and severity of infections associated with markedly defective IgM antibody response to parasitized red cells and failure to produce autoantibodies to bromelain-treated mouse red blood cells

Genetics, Host
Jokipii L; Jokipii AMM
1980 Am J Trop Med and Hyg 29 (1) Jan 5-7 Wa
Giardia lamblia, human, no evidence that predisposition to disease was associated with ABO blood groups

Genetics, Host
Jones TC
1981 Am J Path 102 (1) Jan 127-132 Wa
obligate intracellular protozoa, interactions with murine macrophages, symposium presentation: protozoal entry mechanisms and phagolysosomal system; protozoal intracellular survival and effects on macrophage function; macrophage antigen processing and genetics of immune response (includes mention of immunosuppression); lymphokine-induced microbicidal and microbistatic changes

Genetics, Host
Khoo KK
1981 Ann Trop Med and Parasitol 75 (6) Dec
591-595 Wa
Plasmodium falciparum, P. vivax, treatment in glucose-6-phosphate dehydrogenase deficient patients with chloroquine, chloroquine and primaquine, or sulfadoxine-pyrimethamine, hemolysis occurred in primaquine group, chloroquine resistance common in P. falciparum infections: Sabah, Malaysia

Genetics, Host
Kidson C
1981 Proc National Acad Sc 78 (9) Biol Sc Sept
5829-5832 Wa
Plasmodium falciparum, ovalocytic erythrocytes from Melanesians are resistant to merozoite invasion in vitro

Genetics, Host
Le Jambre LF
1978 Epidemiol and Control Gastrointest Parasites Sheep Australia 137-141 Wa
nematodes, sheep, determination of genetic variation in resistance to worms within and between breeds, implications for selective breeding programs for helminth control, review: Australia

Genetics, Host
Lindsley HB et al
1980 Am J Trop Med and Hyg 29 (3) May 348-357
Wa
Trypanosoma rhodesiense in 5 strains of inbred rats, variable severity of glomerulonephritis, correlation with immunoglobulin class-specific antibody responses to trypanosomal antigens and total IgM levels, circulating immune complexes

Genetics, Host
Macario AJL; Stahl W; Miller R
1980 Cellular Immunol 56 (1) Nov 235-239 Wm
Toxoplasma gondii, cyclic immunosuppression (to bacterial antigen) in genetic-low-responder mice but not in high-responder strain, no direct correlation between unresponsiveness and gradual lymphoid cell depletion that accompanies chronic toxoplasmosis

Genetics, Host
Mathews HM; Armstrong JC
1981 Am J Trop Med and Hyg 30 (2) Mar 299-303
Wa
Plasmodium vivax, prevalence in representatives of 2 ethnic groups, results support hypothesis relating Duffy-negative blood type with refractoriness to vivax malaria; relative prevalence of 3 other Plasmodium spp.: Ethiopia

Genetics, Host
Maudlin I
1980 Insect Sc and Its Applic 1 (1) 35-38 Wa
Glossina palpalis palpalis, screening of natural populations in Nigeria for chromosomal differences, possible relevance of tsetse fly population genetics to trypanosomiasis research and control

Genetics, Host
Mitchell GF et al
1980 Austral J Exper Biol and Med Sc 58 (5) Oct 521-532 Wa
Leishmania tropica, cutaneous leishmaniasis, disease patterns in various inbred mouse strains, disease patterns in reconstituted nude mice of several genotypes, genetic features of nude mouse may contribute to extraordinary potency of T cell reconstitutive manipulations

Genetics, Host
Mitchell GF; Rajasekariah GR; Rickard MD
1980 Immunology 39 (4) Apr 481-489 Wa
Taenia taeniaeformis, proposed mechanism of immunologically-mediated genetically-based mouse strain variation in resistance; evidence that both IgG1 and IgG2 fractions of 'immune serum' are required for full expression of passive protection of nude mice

Genetics, Host
Nabih I; El Ansary A
1980 Celluiar and Molec Biol 26 (1) 85-88 Wa
Biomphalaria alexandrina and Bulinus truncatus (intermediate hosts of Schistosoma mansoni and S. haematobium respectively), Lymnea truncatula (non-susceptible to Schistosoma infection), isolation and base composition of RNA

Genetics, Host
Nagel RL et al
1981 J Clin Invest 68 (1) July 303-305 Wa
Plasmodium falciparum, impairment of growth in HbEE erythrocytes, might be advantageous to carrier in regions with endemic malaria

Genetics, Host
Niederkorn JY; Shadduck JA; Schmidt EC
1981 J Infect Dis 144 (3) Sept 249-253 Wa
Encephalitozoon cuniculi, selected inbred strains of mice showed marked differences in susceptibility and resistance to infection, immune system plays major role in determining course of infection as does genetics, infection can modulate host's immune system

Genetics, Host
O'Brien AD; Rosenstreich DL; Taylor BA
1980 Nature London (5781) 287 Oct 2 440-442 Wa
mice, control of natural resistance to Salmonella typhimurium and Leishmania donovani by closely linked but distinct genetic loci

Genetics, Host
Ottesen EA et al
1981 Acta Trop 38 (3) Sept 205-216 Wa
Wuchereria bancrofti, familial predisposition to infection, not linked to HLA-A or -B locus specificities: Mauke, Cook Islands group

Genetics, Host
Pasvol G
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 701-705 Wa
Plasmodium falciparum, mechanism whereby heterozygous carriers of sickle cell gene are protected against fatal malarial infections, symposium presentation

Genetics, Host
Pecora IL; Barcinski MA
1979 Rev Brasil Biol 39 (2) May 445-450 Wa
Trypanosoma cruzi, role of macrophages in resistant and susceptible strains of mice

Genetics, Host
Pfefferkorn ER; Schwartzman JD
1981 2 Internat Cong Cell Biol (Berlin (West) Aug 31-Sept 5 1980) 411-420 Wm; Wa
Toxoplasma gondii-infected cultured cells, use of (host cell and parasite) mutants to study biochemistry of host-parasite relationship, review

Genetics, Host
Prowse SJ; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (6) Dec 603-605 Wa
Nematospiroides dubius in SJL/J (resistant) and C57BL/6 (susceptible) mice and their $F_1$ hybrids, development of resistance to infection, strain and sex differences

Genetics, Host
Richards CS
1980 J Invert Path 35 (1) Jan 49-52 Wa
Biomphalaria glabrata, genetic studies on amebocytic accumulations

Genetics, Host
Roberts-Thomson IC et al
1980 Gut 21 (5) May 397-401 Wm
human and murine giardiasis, in humans with prolonged Giardia lamblia infection genetic markers were analyzed, higher than expected frequency of certain antigens and phenotypes were observed; in infected inbred strains of mice several genes appeared to influence susceptibility to prolonged infection with G. muris

Genetics, Host
Ruitenberg EJ et al
1980 Internat Arch Allergy and Applied Immunol 62 (1) 104-110 Wa
Trichinella spiralis infection in mice genetically selected for high and low antibody production, specific antibody response, histopathological changes in small intestine with emphasis on macrophages, intestinal mast cells, globule leucocytes, and eosinophils

Genetics, Host
Salmon C
1979 Rev Epidemiol et San Pub 27 (5-6) 389-397 Wm
Plasmodium spp., humans, relationships between Duffy blood group antigens and malaria

Genetics, Host
Santiyanont R; Wilairat P
1981 Am J Trop Med and Hyg 30 (3) May 541-543 Wa
Plasmodium falciparum, red cells containing hemoglobin E do not inhibit malaria parasite development in vitro

Genetics, Host
Sasazuki T et al
1980 J Exper Med 152 (2 pt 2) Aug 1 314s-318s Wm
Schistosoma japonicum, human, association between HLA haplotype and low responsiveness to schistosomal worm antigen (evaluated by measuring antigen-specific proliferative response of peripheral T lymphocytes in vitro)

Genetics, Host
Savina MA
1975 Parazitologiia Leningrad 9 (5) Sept-Oct 443-448 Wa
toxoplasms, susceptibility of various strains of mice to virulent and little-virulent strains, host genetic peculiarities

Genetics, Host
Schom C; Novak M; Evans WS
1981 Parasitology 83 (1) Aug 77-90 Wa
Hymenolepis citelli in Tribolium confusum, effect of host starvation prior to infection, parasite population size, host sex, and host genotype on host mortality or survival and on rate of parasite development, evaluation of results from genetic and evolutionary point of view

Genetics, Host
Semprevivo LH et al
1981 J Parasitol 67 (1) Feb 8-14 Wa
Leishmania donovani in large number of congenic resistant mouse strains on C57BL/10ScSn background differing at specific histocompatibility loci, course of infection, acquired resistance, induction of pathologic alteration, model for spectral disease

Genetics, Host
Siebert AE jr; Good AH
1980 Exper Parasitol 50 (3) Dec 437-446 Wa
Taenia crassiceps, BALB/c and BDF1 mice, kinetics of primary and secondary infections in vivo, effect of immune serum on larvae in vitro, comparison with previous studies using C3H mice

Genetics, Host
Stong RC; Stone WH
1980 Animal Blood Groups and Biochem Genet 11 (3) 185-192 Wm
Macaca mulatta, study of Fy antigen blood groups, apparently no Duffy-like polymorphism in rhesus monkeys, applications for Plasmodium knowlesi research

Genetics, Host
Sulaiman I; Townson H
1980 Ann Trop Med and Parasitol 74 (6) Dec 635-646 Wa
Dirofilaria immitis, genetic basis of susceptibility to infection in Aedes aegypti

Genetics, Host
Tabel H; Losos GJ; Maxie MG
1981 Tropenmed u Parasitol 32 (2) June 99-100 Wa
Trypanosoma congolense, cattle, lack of relationship between level of parasitemia and J blood group antigens

Genetics, Host
Tanner CE; et al
1980 J Parasitol 66 (5) Oct 802-805 Wa
Trichinella spiralis, rabbits, nonrandom negative binomial distribution of parasite populations in host population under carefully controlled laboratory conditions, results indicate nonrandom overdispersion is intrinsic characteristic of this host-parasite association and that susceptibility factors (under presumed genetic control) should be considered seriously in mathematical models of parasites

Genetics, Host
Townson H; Sulaiman I; Matthews HA
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 175-176 Wa
Dirofilaria immitis, D. repens, Brugia pahangi, genetic aspects of susceptibility of Aedes aegypti to infection

Genetics, Host
Trpis M; Duhrkopf RE; Parker KL
1981 Science (4489) 211 Mar 27 1435-1437 Wa
Brugia malayi, B. pahangi, inheritance of mosquito (Aedes scutellaris complex) susceptibility to infection follows non-Mendelian pattern indicative of extrachromosomal factors inherited through maternal parent

Genetics, Host
Tzoneva M et al
1980 Bull World Health Organ 58 (4) 659-662 Wa
Plasmodium falciparum, humans, frequency of glucose-6-phosphate dehydrogenase deficiency in relation to altitude, malaria hypothesis

Genetics, Host
Vadas MA
1980 Immunogenetics 11 (3) Sept 1 215-223 Wa
parasite immunity and the major histocompatibility complex, review

Genetics, Host
Wakelin D
1980 Parasite Immunol 2 (2) Summer 85-98 Wa
Trichinella spiralis, course of infection in inbred and congenic mice showing rapid and slow responses to infection

Genetics, Host
Wakelin D; Donachie AM
1980 Parasite Immunol 2 (4) Winter 249-260 Wa
Trichinella spiralis, adoptive transfer of immunity between inbred strains of mice characterized by rapid and slow immune expulsion used to analyze role of immune and inflammatory events in determining strain-characteristic time of worm expulsion

Genetics, Host
Wakelin D; Donachie AM
1981 Immunology 43 (4) Aug 787-792 Wa
Trichinella spiralis, adoptive transfer experiments in mouse radiation chimaeras, results indicate that genetic control of worm expulsion is expressed at level of bone marrow-derived cell population and is independent of lymphocyte responsiveness

Genetics, Host
Williams JF; Shearer AM; Ravitch MM
1981 J Parasitol 67 (4) Aug 540-547 Wa
Taenia taeniaeformis, establishment and growth in female rats of several different inbred and outbred lines and in male vs. female rats of one line, differences in susceptibility between rat strains were overshadowed by variations observed in inbred rats of same strain purchased from different commercial suppliers

Genetics, Host
Windon RG; Dineen JK
1981 Internat J Parasitol 11 (1) Feb 11-18 Wa
Trichostrongylus colubriformis, effect of selection of both sire and dam on response of $F_1$ generation lambs to vaccination with irradiated larvae, faecal egg counts, levels of complement-fixing antibody in serum, in vitro lymphocyte stimulation

Genetics, Host
Windon RG; Dineen JK; Kelly JD
1980 Internat J Parasitol 10 (1) Feb 65-73 Wa
Trichostrongylus colubriformis, lambs, vaccination with irradiated larvae, dissociation into 'responders' and 'non-responders': response to primary sequential challenge, response to rechallenge with single dose, correlation between haemoglobin type and faecal egg counts during primary and secondary challenge, effect of vaccination and challenge on liveweight gain and wool growth

Genetics, Parasite
Agabian N et al
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1043-1049 Wa
Trypanosoma brucei brucei, development of new serodeme, molecular studies of antigenic variation, use of heterologous DNA probes in isolation of trypanosome genes and analysis of their organization

Genetics, Parasite
Agatsuma T
1981 Japan J Genetics 56 (1) Feb 73-77 Wa
Paragonimus iloktsuenensis, genetic variation of glucosephosphate isomerase, starch gel electrophoresis

Genetics, Parasite
Agatsuma T
1981 J Parasitol 67 (3) June 452-454 Wa
Paragonimus miyazakii, electrophoretic demonstration of genetic polymorphism of glucosephosphate isomerase in natural populations

Genetics, Parasite
Bloom BR; Tanowitz H; Wittner M
1979 Immune Mech and Dis 69-100 Wm; Wa
mechanisms for escape of immune surveillance by parasites, review (old-time genetic engineering; antigenic variation; antigenic mimicry and concomitant immunity; learning to live in your macrophages; jamming the immune response; subversion of the immune system)

Genetics, Parasite
Boothroyd JC et al
1980 Nature London (5791) 288 Dec 11 624-626 Wa
Trypanosoma brucei, nucleotide sequence data which suggest that primary translation product of one variant surface glycoprotein gene contains hydrophobic tail at carboxy terminus which is not found on isolated mature glycoprotein, data also predict that glycosylated residue is aspartic acid rather than anticipated asparagine

Genetics, Parasite
Borst P et al
1980 Developments Genetics 2 7-19 Wm; Wa
Trypanosoma brucei, kinetoplast DNA, review: structure, evolution, transcription, mutants

Genetics, Parasite
Borst P et al
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1033-1036 Wa
trypanosomes, genes for variant antigens, review

Genetics, Parasite
Borst P; Fase-Fowler F; Gibson WC
1981 Molec and Biochem Parasitol 3 (2) June 117-131 Wa
Trypanosoma brucei gambiense, T. b. rhodesiense, T. b. brucei, quantitation of genetic differences by restriction enzyme analysis of kinetoplast DNA, these 3 variants are so closely related that they cannot be distinguished on this basis alone

Genetics, Parasite
Bullini L et al
1979 Atti Accad Naz Lincei Roma s 8 Rendic Cl Sc Fis Mat e Nat 65 2 sem (3-4) Sept-Oct 1978 151-156 Wa
Parascaris univalens, P. equorum, karyotypes, chromosome morphology, electrophoretic study

Genetics, Parasite
Castro C; Hernandez R; Castaneda M
1981 Molec and Biochem Parasitol 2 (3-4) Feb 219-233 Wa
Trypanosoma cruzi, ribosomal RNA, internal break in large-molecular-mass species, number of genes

Genetics, Parasite
Charmot G; Bricaire F; Bastin R
1979 Nouv Presse Med 8 (1) Jan 6 35-38 Wm
Plasmodium ovale, humans, increased number of imported cases in France, characteristics of infection including very variable incubation period, possibility of genetic control of incubation period as a strain characteristic

Genetics, Parasite
De Jong JH; Lobbes PV; Bolland HR
1981 Genetica 55 (3) June 12 187-190 Wa
Hypoaspis aculeifer, Cosmolaelaps miles, karyotypes, sex determination, arrhenotokous parthenogenesis underlies haplo-diploidy in these species

Genetics, Parasite
Doyle JJ; de Gee ALW; Hirumi H
1980 Insect Sc and Its Applic 1 (1) 65-68 Wa
Trypanosoma brucei, T. vivax, variable antigen-associated differences in infectivity and virulence, review

Genetics, Parasite
Drozdz J
1979 Wiadom Parazytol 25 (2) 171-183 Wa
nematodes, genetic isolation as a criterion defining species

Genetics, Parasite
Dzbenski TH
1979 Wiadom Parazytol 25 (2) 207-220 Wa
protozoa, genetic aspects of antigenic variation

Genetics, Parasite
Fletcher M; LoVerde PT; Woodruff DS
1981 Am J Trop Med and Hyg 30 (2) Mar 406-421 Wa
Schistosoma mansoni, populations from Africa, Southwest Asia, South America, and West Indies, genetic variation in enzyme polymorphisms (electrophoresis on starch gels), geographic and sexual differences

Genetics, Parasite
Herlich H; Rew RS; Colglazier ML
1981 Am J Vet Research 42 (8) Aug 1342-1344 Wa
Haemonchus contortus, anthelmintic activity of cambendazole against cambendazole resistant strain, cambendazole susceptible strain, and $F_1$ and $F_2$ progenies of mating resistant males with susceptible females, and of the reciprocal mating, lambs, results indicated that heredity of resistance to cambendazole is not sex-linked and probably results from a heterozygous recessive allele

Genetics, Parasite
Hoeijmakers JHJ et al
1980 Gene 8 (4) Mar 391-417 Wm
Trypanosoma brucei, isolation of plasmids containing DNA complementary to messenger RNA for variant surface glycoproteins

Genetics, Parasite
Hoeijmakers JHJ et al
1980 Nature London (5751) 284 Mar 6 78-80 Wa
Trypanosoma brucei, novel expression-linked copies of genes for variant surface antigens

Genetics, Parasite
Hoeijmakers JHJ et al
1981 Plasmid 5 (3) May 329-350 Wa
Trypanosoma brucei brucei, transcription of kinetoplast DNA in bloodstream and culture forms

Genetics, Parasite
Irvin AD; Boarer CDH
1980 Parasitology 80 (3) June 571-579 Wa
Theileria, implications of sexual cycle (taxonomy, genetics, practical implications, vaccination)

Genetics, Parasite
Jeffers TK; Bentley EJ
1980 Poultry Science 59 (8) Aug 1731-1735 Wa
Eimeria meleagrimitis field isolate, turkeys, experimental development of monensin resistance through selection, degree of cross-resistance to lasalocid and narasin, suggestion of reduced pathogenicity of selected strain

Genetics, Parasite
Khalil GM; Abdu RM
1979 J Med Entom 16 (4) Nov 7 339-342 Wa
Argas arboreus, effect of substerilizing doses of gamma radiation on male fertility, female fecundity, and progeny, results suggest substerilizing doses induce delayed lethal genes

Genetics, Parasite
Khalil GM; Hoogstraal H; Oliver JH jr
1980 Internat J Parasitol 10 (4) Aug 253-259 Wa
Argas arboreus, A. robertsi, experimental cross-breeding, results suggest both genetic and cytoplasmic incompatibility between the 2 species

Genetics, Parasite
Knowles G; Sanderson A; Walliker D
1981 Exper Parasitol 52 (2) Oct 243-247 Wa
Plasmodium yoelii yoelii, Plasmodium yoelii nigeriensis, new electrophoretic variants of adenosine deaminase which differentiate these 2 subspecies, genetic analysis of crosses between these 2 subspecies

Genetics, Parasite
Knowles G; Walliker D
1980 Parasitology 81 (1) Aug 211-219 Wa
Plasmodium yoelii yoelii, expression of virulence character is variable, genetic recombination is not necessary to obtain intermediate levels of virulence

Genetics, Parasite
Lee EH; Winder NC
1981 Canad J Comp Med 45 (2) Apr 203-204 Wa
Eimeria acervulina, chicks infected with 1 of the 4 sporocysts of a single oocyst, implications for study of segregation of genetic traits; method for collecting fecal material described

Genetics, Parasite
Le Jambre LF
1981 Internat J Parasitol 11 (4) Aug 323-330 Wa
Haemonchus contortus from Louisiana, H. contortus cayugensis, H. placei, hybridization, fertility and percent developing to 3rd stage, ability to develop at 11 and 13°C, vulvar morph types, meiosis

Genetics, Parasite
Le Jambre LF; Royal WM
1980 Internat J Parasitol 10 (4) Aug 281-286 Wa
Haemonchus contortus, H. placei, meiotic abnormalities in backcross lines of hybrid Haemonchus

Genetics, Parasite
Lewis JA et al
1980 Genetics 95 (4) Aug 905-928 Wa
Caenorhabditis elegans, genetics of levamisole resistance

Genetics, Parasite
Lourens JHM
1980 Bull Entom Research 70 (1) Mar 1-10 Wa
Rhipicephalus appendiculatus, genetics of organochlorine resistance in 3 East African strains (Entebbe, Katoma, Kericho)

Genetics, Parasite
Lourens JHM
1980 J Med Entom 17 (4) July 31 375-379 Wa
Amblyomma spp., organochlorine-resistant and -susceptible strains, susceptibility to cholinesterase-inhibiting acaricides, differences were considered to arise from variation in natural tolerance

Genetics, Parasite
McGhee RB; Weathersby AB
1979 Bull World Health Organ 57 suppl 1 227-229 Wa
Plasmodium gallinaceum, variations in virulence for avian embryos after repeated passages in mosquitos and chickens, thought that variations reflect alterations in genetic moiety of parasites after recombinations occurring during sexual cycle in different batches of mosquitos

Genetics, Parasite
McKenzie JA; Dearn JM; Whitten MJ
1980 Austral J Biol Sc 33 (1) Mar 85-95 Wa
Lucilia cuprina, genetic basis of resistance to diazinon in populations in Victoria, Australia

Genetics, Parasite
Pays E et al
1980 Nucleic Acids Research 8 (24) Dec 20 5965-5981 Wm
Trypanosoma brucei brucei, cloning and characterization of DNA sequences complementary to messenger ribonucleic acids coding for synthesis of two variant specific surface antigens

Genetics, Parasite
Pays E et al
1981 Proc National Acad Sc 78 (5) May 2673-2677 Wa
Trypanosoma brucei brucei, gene duplication and transposition linked to antigenic variation

Genetics, Parasite
Pays E; Lheureux M; Steinert M
1981 Nature London (5820) 292 July 16 265-267 Wm
Trypanosoma brucei brucei, the expression-linked copy of surface antigen gene is probably the one transcribed

Genetics, Parasite
Pfefferkorn ER; Schwartzman JD
1981 2 Internat Cong Cell Biol (Berlin (West) Aug 31-Sept 5 1980) 411-420 Wm; Wa
Toxoplasma gondii-infected cultured cells, use of (host cell and parasite) mutants to study biochemistry of host-parasite relationship, review

Genetics, Parasite
Pfefferkorn LC; Pfefferkorn ER
1980 Exper Parasitol 50 (3) Dec 305-316 Wa
Toxoplasma gondii, genetic recombination between drug resistant mutants

Genetics, Parasite
Price PW
1980 Monogr Population Biol (15) 237 pp Wa
parasites, evolutionary biology: non-equilibrium populations and communities; genetic systems; adaptive radiation and specificity; ecological niches, species packing, and community organization; impact on evolutionary biology of host

Genetics, Parasite
Rosen NL et al
1981 Exper Parasitol 52 (2) Oct 210-218 Wa
Trypanosoma congolense strain cloned, passaged through tsetse fly, and subsequently recloned, relapsing infections induced in rats by syringe passage of cloned trypanosomes, relapsing infection was associated with change of one major glycoprotein spectrotype to second spectrotype, these variant surface glycoproteins may be products of sequentially expressed genes

Genetics, Parasite
Shapiro SZ; Young JR
1981 J Biol Chem 256 (4) Feb 25 1495-1498 Wm
Trypanosoma brucei, messenger RNA encoding variable surface antigen, new immunochemical method for purification

Genetics, Parasite
Shirley MW; Rollinson D
1979 Symposia Brit Soc Parasitol 17 7-30 Wa
Eimeria spp., recognition and characterization of populations, review: established approaches (morphology, site and host specificity, pathogenicity, immunological specificity), new approaches (enzyme electrophoresis, genetic studies, DNA buoyant density analyses)

Genetics, Parasite
Simpson L et al
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1053-1063 Wa
Leishmania tarentolae, Trypanosoma brucei, kinetoplast DNA and RNA; in vitro culture system for study of genetic function of kinetoplast DNA during active period of mitochondrial biogenesis that occurs in life cycle of T. brucei

Genetics, Parasite
Tait A
1980 Nature London (5782) 287 Oct 9 536-538 Wa
Trypanosoma brucei brucei, series of isolates screened for electrophoretic variation in 19 enzymes, strong evidence that trypanosomes are diploid and undergo random mating and recombination

Genetics, Parasite
Tibayrenc M; Cariou ML; Solignac M
1981 Compt Rend Acad Sc Paris 292 s III Sc Vie (9) Mar 2 623-625 Wm
Trypanosoma cruzi (several strains), T. rangeli, Leishmania b. brasiliensis, analysis of enzyme variability, genetic interpretation of zymograms

Genetics, Parasite
Turner M
1980 Nature London (5751) 284 Mar 6 13-14 Wa
new evidence that antigenic variation in trypanosomes is controlled by genetic rearrangement, brief review

Genetics, Parasite
Wernsdorfer WH; Kouznetsov RL
1980 Bull World Health Organ 58 (3) 341-352 Wa
Plasmodium falciparum, drug resistance (biology and genetics, distribution and spread, epidemiology, control, monitoring of drug sensitivity), review

Genetics, Parasite
Whitten MJ; Dearn JM; McKenzie JA
1980 Austral J Biol Sc 33 (6) Dec 725-735 Wa
Lucilia cuprina, selection for dieldrin resistance can occur as result of eggs and developing larvae coming into contact with insecticide residues in myiases on treated sheep

Genetics, Parasite
Williams RO et al
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1037-1042 Wa
Trypanosoma brucei, analyses of variable antigen gene rearrangements

Genetics, Parasite
Zaitseva GN et al
1979 Biokhimiia 44 (11) Nov 2073-2082 Wm
Crithidia oncopelti, C. fasciculata, presence of genes of ribosomal and transfer RNAs in kinetoplast DNA

Geographic distribution [See also Names of individual countries, continents, other geographic units]

Geographic distribution
Azimov DA
1978 Uzbek Biol Zhurnal (3) 44-46 Wa
Orientobilharzia spp., zoogeographic aspects of distribution, foci development

Geographic distribution
Bafundo KW; Wilhelm WE; Kennedy ML
1980 J Parasitol 66 (1) Feb 134-139 Wa
helminth parasites of Procyon lotor (digestive tract), statistical analysis of geographic variation: Tennessee

**Geographic distribution**
**Bamforth SS**
**1981 J Protozool 28 (1) Feb 2-9 Issued June 18 Wa**
**protist biogeography, ecological and historical aspects, past-president's address, 33. Ann. Meet. Soc. Protozool.**

**Geographic distribution**
**Brooks DR**
**1979 Am Zool 19 (4) 1225-1238 Wa**
**digeneans of crocodilians, phylogenetic, genealogical, and biogeographical relationships, coevolutionary implications, symposium presentation**

Geographic distribution
Chubb JC
1980 Advances Parasitol 18 1-120 Wa
larval Cestoda, Nematoda, seasonal occurrence in freshwater fishes in different world climatic zones, extensive review

**Geographic distribution**
**Custer JW; Pence DB**
**1981 J Parasitol 67 (3) June 289-307 Wa**
**helminths of wild canids (Canis rufus, C. latrans, and their hybrids), prevalence, density, effect of hosts' age, sex, and taxonomic category, helminth species associations, sex ratio of heartworms and hookworms, host heart and spleen weights, geographical diversity, organization of species in helminth communities (importance values, multivariate analyses): Gulf Coastal prairies of Texas and Louisiana compared with other regions in North America**

**Geographic distribution**
**Fletcher M; LoVerde PT; Woodruff DS**
**1981 Am J Trop Med and Hyg 30 (2) Mar 406-421 Wm**
**Schistosoma mansoni, populations from Africa, Southwest Asia, South America, and West Indies, genetic variation in enzyme polymorphisms (electrophoresis on starch gels), geographic and sexual differences**

Geographic distribution
Gusev AV
1976 Indian J Helminth 25-26 1973-1974 241 pp Issued Apr 7 Wa
Monogenoidea of freshwater fish, systematics, morphology, evolution, host age and size factors, attachment to host, zoogeographic analysis of Indian and other faunas

Geographic distribution
Hellenthal RA; Price RD
1980 Ann Entom Soc Am 73 (5) Sept 495-503 Wa
Geomydoecus subcalifornicus complex, computerized taxonomic analysis system applied to quantitative characters and host and locality data, quantitative programs and automated procedures described in detail

**Geographic distribution**
**Kreutzer RD; Sousa OE**
**1981 Am J Trop Med and Hyg 30 (2) Mar 308-317 Wa**
**Trypanosoma spp., isozyme patterns, cellulose acetate electrophoresis, variability between species and strains, potential for rapid trypanosome isolate identification, some indication that isozyme types were associated with geographical distribution**

Geographic distribution
Mendez E
1977 Quaest Entom 13 (2) Apr 91-182 Wa
mammalian fleas, key, host specificity, ecological and evolutionary factors in flea distribution: southwestern Colombia

Geographic distribution
Rohde K
1980 Experientia 36 (12) Dec 15 1368-1369 Wa
Monogenea, number of species per marine fish species increases from high to low latitudes and is much greater in Pacific vs. Atlantic Ocean, suggested that differences are due to more advanced evolution at low latitudes and in Pacific Ocean

**Germany**
**Beringer T; Wiebe C**
**1981 Oeffentl Gsndhtsw 43 (4) Apr 195-197 Wm**
**intestinal parasites, incidence survey, refugees from 12 nations; high prevalence of Ancylostoma duodenale in Indian immigrants: Essen, Germany**

Germany
Bernhard K; Semlow A
1980 Ang Parasitol 21 (1) Feb 6-10 Wa
helminths, humans, coprological survey of inhabitants and workers in rural municipality of Rostock district, GDR, comparisons with incidence in animal workers of other municipalities, seamen going to the tropics, and immigrants from the tropics

Germany
Dieng-Hellfeldt B; Wuthe HH
1980 Oeffentl Gsndhtsw 42 (11) 863-869 Wm
intestinal parasites, incidence survey, fewer infections in German population vs. immigrants from south of Europe, Turkey, Africa, or Indochina

**Germany**
**Hoerchner F; Unterholzner J; Frese K**
**1981 Berl u Munchen Tierarztl Wchnschr 94 (11-12) June 1 220-223 Wa**
**helminths, infection rate in dogs, emphasis on Toxocara canis, sand sampled at children's playgrounds had extremely low levels of Toxocara eggs: West Germany**

**Germany**
**Loescher T; Pruefer L; von Sonnenburg FF**
**1980 Deutsche Med Wchnschr 105 (14) Apr 4 488-489 Wa**
**intestinal parasites, Vietnamese refugees, incidence survey (by age groups): Munchen, Bundesrepublik Deutschland**

Germfree animals See Gnotobiotic animals

Glands [See also Gonads; Hormones]

Glands, Host
Alves JB; Machado CRS
1980 Arch Oral Biol 25 (7) 437-443 Wa
Trypanosoma cruzi, acute and chronic infections in rats, histological and histoquantitative changes in submandibular gland

Glands, Host
Anderson GL
1975 Veliger 17 (3) Jan 1 299-306 Wm
Fabia subquadrata-infected Mytilus californianus, true parasitism in that crab infestation produces predictable deleterious effects (alterations in host glycogen metabolism, diminished reproductive potential through decreased gonadal development): Sonoma County, California

Glands, Host
Cook RW; Trapp AL; Williams JF
1981 J Comp Path 91 (2) Apr 219-226 Wa
Taenia taeniaeformis, rats (exper.), histopathology in liver, lymph nodes and thymus, serum enzyme activities

Glands, Host
Costa JS et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 246-260 Wm
Schistosoma mansoni-infected mice, growth, blood picture, histology of glands and reproductive organs, effect of splenectomy

Glands, Host
Dettori G; et al
1980 Am Surg 46 (9) Sept 530-533 Wm
echinococcosis, human thyroid gland, pathology, clinical and therapeutic features of 2 cases, diagnosis by radioiodine scan: Sardinia

Glands, Host
Ellis DS; Evans DA; Stamford S
1980 Ztschr Parasitenk 62 (1) 63-74 Wa
Trypanosoma rangeli, penetration of salivary glands of Rhodnius prolixus (exper.), ultrastructure of invasion process

Glands, Host
Ghareeb AM et al
1975 Ain Shams Med J 26 (1) Jan 81-89 Wm
Schistosoma mansoni, hormonal and enzyme changes occurring with hepatosplenic involvement, possible effects on host growth and development, golden hamster used as exper. model for human infections

Glands, Host
Hennessy DR; Prichard RK
1981 Research Vet Sc 30 (1) Jan 87-92 Wa
Trichostrongylus colubriformis-infected sheep, kinetics of thyroxine and inorganic iodine metabolism, thyroid gland histology, thyroid response to thyroid stimulating hormone

Glands, Host
Irvin AD et al
1981 Parasitology 82 (1) Feb 137-147 Wa
Theileria parva, rapid method for preparing and staining salivary glands of infected Rhipicephalus appendiculatus, application of technique in series of studies monitoring protozoal infection in adult ticks, female ticks consistently more highly infected than males

Glands, Host
Knopf PM; Soliman M
1980 Internat J Parasitol 10 (3) June 197-204 Wa
Schistosoma mansoni, mice, rats, effects of host endocrine gland removal on host 'permissiveness', concluded that host hormones contribute to nonpermissive status of rats to infection

Glands, Host
Kuberski TT
1981 J Clin Microbiol 13 (5) May 880-881 Wa
Trichomonas vaginalis, 35-year-old man, prostatitis, ankylosing spondylitis, case report, possibility that T. vaginalis might play role in prostatitis and pathogenesis of ankylosing spondylitis in some patients

Glands, Host
Mikail EG et al
1979 J Egypt Pub Health Ass 54 (1-2) 23-34 Wm
Trichinella spiralis-infected rats, increased adrenal gland secretions during peak severity of pathological lesions in intestine and diaphragm, application to therapeutic use of steroids

Glands, Host
Patel NY; Youdeowei A; Odhiambo TR
1981 Insect Sc and Its Applic 1 (4) 383-387 Wa
Glossina morsitans morsitans, composition of salivary gland secretion, findings discussed in relation to nutritional requirements of metacyclic forms of Trypanosoma brucei

Glands, Host
Rondelaud D; Barthe D
1980 Bull Soc Zool France 105 (4) 481-490 Wa
Fasciola hepatica-infected Lymnaea truncatula (exper.), histopathological studies on genital epithelium

Glands, Host
Thomas JS
1974 Veliger 17 (2) Oct 1 207-210 Wm
Cryptocotyle lingua, Himasthla leptosoma, glycogen and free sugar levels of rediae and of digestive gland and gonad of parasitized and non-parasitized Littorina littorea

Glands, Host
Van Elk R; Joosse J
1981 Comp Biochem and Physiol 70B (1) 45-52 Wa
Lymnaea stagnalis, UDP-galactose 4-epimerase of albumen gland, effects of photoperiod, starvation, and trematode (Trichobilharzia ocellata) infection on its activity

Glands, Parasite
Amin OM; Redlin MJ
1980 System Parasitol 2 (1) Dec 9-20 Wa
Echinorhynchus salmonis in Coregonus hoyi and Osmerus mordax, worm sex and age and the host species (salmonid host vs. non-salmonid host) affected worm growth and morphological variability, anomalies; extreme variability in cement gland pattern and the implications for using this diagnostic character on the generic level

Glands, Parasite
Axtell RC; LeFurgey A
1979 J Med Entom 16 (3) Oct 12 173-179 Wa
4 species of ixodid ticks, foveae dorsales and foveal glands compared in males and females, gross internal and external structure, scanning electron microscopy

Glands, Parasite
Berndt KP; Pruess WR
1979 Ang Parasitol 20 (2) June 67-76 Wa
ticks and insects, male accessory sexual glands, effect on physiology of reproduction of mated females

Glands, Parasite
Binnington KC; Kemp DH
1980 Advances Parasitol 18 315-339 Wa
ticks, role of salivary glands in feeding and disease transmission, review: salivary gland functions during attachment and feeding (secretion of attachment cement; salivary secretions and tick feeding; passage of material through salivary glands during feeding); toxicosis (host paralysis); disease transmission (Theileria; Babesia)

Glands, Parasite
Binnington KC; Stone BF
1981 Internat J Parasitol 11 (5) Oct 343-351 Wa
Ixodes holocyclus, salivary glands, morphology and histochemistry, evidence concerning origin of paralysing toxin, possible origin of components which provoke allergic response in host

Glands, Parasite
Chinery WA
1981 J Parasitol 67 (1) Feb 15-19 Wa
Haemaphysalis spinigera, Rhipicephalus s. sanguineus, skin reaction after intracutaneous injection of salivary gland extract into sensitized and nonsensitized rabbits, indicates that ticks' saliva contains pharmacodynamic substance (closely related to histamine) in addition to having antigenic properties

Glands, Parasite
Coons LB; Roshdy MA
1981 Ztschr Parasitenk 65 (2) 225-234 Wa
Argas arboreus, ultrastructure of granule secretion in salivary glands during feeding

Glands, Parasite
Degrugillier ME; Grosz SG
1981 Ann Entom Soc Am 74 (2) Mar 217-221 Wa
Cochliomyia hominivorax, effects of ablation of female accessory reproductive gland on fertility

Glands, Parasite
Dickinson RG et al
1980 J Austral Entom Soc 18 (3) 1979 199-210
Issued Mar 14 Wa
Boophilus microplus, a prostaglandin and a second smooth muscle contracting component from saliva, salivary glands or hemolymph of engorged or partly engorged females; prostaglandin not dependent on host immune status nor of host origin, more likely produced by tick, possibly functions in establishing feeding lesion or has physiological role in tick; identity and role of second component not known

Glands, Parasite
El-Naggar MM; Kearn GC
1980 Ztschr Parasitenk 61 (3) 223-241 Wa
Dactylogyrus amphibothrium, D. hemiamphibothrium, anterior adhesive apparatus, ultrastructure, part played by glandular secretions in attachment and detachment of head region

Glands, Parasite
Fairweather I; Threadgold LT
1981 Parasitology 82 (3) June 445-458 Wa
Hymenolepis nana, fine structure of 'penetration gland' and nerve cells within oncosphere, transmission and scanning electron microscopy, light microscope histochemistry

Glands, Parasite
Fawcett DW; Doxsey S; Buescher G
1981 Tissue and Cell 13 (2) 209-230 Wa
Rhipicephalus appendiculatus, salivary gland, ultrastructure of type III acinus

Glands, Parasite
Fawcett DW; Doxsey S; Buescher G
1981 Tissue and Cell 13 (2) 231-253 Wa
Rhipicephalus appendiculatus, salivary gland, changes in ultrastructure of type III acinus in course of feeding, cellular basis for fluid secretion in type III acinus

Glands, Parasite
Harris RA; Kaufman WR
1981 J Insect Physiol 27 (4) 241-248 Wa
Amblyomma hebraeum, hormonal control of salivary gland degeneration

Glands, Parasite
Hayunga EG
1979 Proc Helminth Soc Washington 46 (2) July 171-179 Issued Aug 14 Wa
Glaridacris catostomi, G. laruei, and Hunterella nodulosa from Catostomus commersoni (intestine), histology, histochemistry, and fine structure of scolex glands, electron microscopy, role in attachment to host and in causing intestinal pathology: vicinity of Albany, New York

Glands, Parasite
Irvin AD et al
1981 Parasitology 82 (1) Feb 137-147 Wa
Theileria parva, rapid method for preparing and staining salivary glands of infected Rhipicephalus appendiculatus, application of technique in series of studies monitoring protozoal infection in adult ticks, female ticks consistently more highly infected than males

Glands, Parasite
Kanwar U; Kansal M
1980 J Helminth 54 (4) Dec 263-266 Wa
Paramphistomum epiclitum, Paradistomoides orientalis, prostate glands, cytochemistry

Glands, Parasite
McMullen HL et al
1980 Biochem and Biophys Research Commun 95 (4) Aug 29 1555-1562 Wm
Amblyomma americanum, calcium-dependent modulator proteins of 3':5'-cyclic-AMP phosphodiesterase isolated from salivary glands, role in regulation of salivary fluid secretion

Glands, Parasite
Pan SC
1980 J Invert Path 36 (3) Nov 307-372 Wa
Schistosoma mansoni miracidium, cellular organization, detailed fine structure

Glands, Parasite
Panfilova IM
1980 Zool Zhurnal 59 (6) June 851-858 Wa
Ixodes persulcatus females, changes in neuro-endocrine system and amounts of secretory substances during feeding

Glands, Parasite
Panfilova IM
1980 Zool Zhurnal 59 (8) Aug 1137-1147 Wa
Ixodes persulcatus, feeding females, inhibition of growth and oogenesis related to absence of fertilization, disturbances in activity of synganglion neurosecretory cells and lateral organs, dynamics of activity of different elements of neuro-endocrine system compared in feeding non-fertilized and fertilized females (these changes in non-fertilized females considered an adaptation to long wait for fertilization)

Glands, Parasite
Popiel I; Erasmus DA
1981 Exper Parasitol 52 (1) Aug 35-48 Wa
Schistosoma mansoni, effect of niridazole on ultrastructure and morphogenesis of vitelline gland

Glands, Parasite
Rhoads ML
1981 J Biol Chem 256 (17) Sept 10 9316-9321 Wa
Stephanurus dentatus, cholinesterase activity (compared with Oesophagostomum radiatum and Nippostrongylus brasiliensis), tissue localization, isolation of secretory cholinesterase from excretory gland cells, purification, characterization (biochemical, kinetic, and antigenic properties), sex dependence

Glands, Parasite
Richards KS; Arme C
1981 Parasitology 83 (3) Dec 477-487 Wa
Caryophyllaeus laticeps, scolex-neck syncytium, neck cells, frontal gland cells, ultrastructure, inter-relationships of gland distribution, scolex morphology, and host pathology

Glands, Parasite
Sharma PN; Mandawat S; Sharma AN
1981 J Helminth 55 (2) June 141-148 Wa
Ceylonocotyle scoliocoelium, Mehlis' gland, non-enzymatic and enzymatic histochemistry, physiological implications

Glands, Parasite
Sonenshine DE et al
1981 J Chem Ecol 7 (2) Mar 345-357 Wa
Dermacentor variabilis, D. andersoni, association of sex pheromone with neutral lipids in foveal glands

Glands, Parasite
Sonenshine DE et al
1981 J Parasitol 67 (5) Oct 627-646 Wa
Dermacentor variabilis, foveal glands (pheromone glands) and foveae dorsales, ultrastructure

Glands, Parasite
Specian RD
1981 J Parasitol 67 (2) Apr 278-279 Wa
Hymenolepis diminuta, rostellar glands, paraldehyde fuchsin staining following destrobilization and surgical reimplantation into rats, results indicate strong correlation between activity of these modified tegumentary cells and development of the strobila

Glands, Parasite
Wilfred M; Lee DL
1981 Internat J Parasitol 11 (6) Dec 485-492 Wa
Bunostomum trigonocephalum, observations on buccal capsule and associated glands, possible role of various structures and enzymes during feeding

Glands, Parasite
Wong DLP; Kaufman WR
1981 European J Pharmacol 73 (2-3) July 17 163-173 Wa
Amblyomma hebraeum, potentiation by spiperone and other butyrophenones of fluid secretion by isolated salivary glands

Globule leukocytes
Gregory MW; Nolan A
1981 Research Vet Sc 30 (3) May 385-387 Wa
Eimeria spp., lambs, globule leucocyte and mucosal mast cell populations in small intestine (excluding lymphoid areas), globule leucocyte and mucosal mast cell populations in mucosa overlying Peyer's patches and in adjacent areas of same section, % distribution of globule leucocytes in mucosa of sections which showed large numbers of these cells

Globule leukocytes
Knight RA
1980 J Parasitol 66 (5) Oct 844-845 Wa
Fasciola hepatica, sheep infected singly and repeatedly, globule leucocytes in various tissues

Globule leukocytes
MacDonald TT; Murray M; Ferguson A
1980 Exper Parasitol 49 (1) Feb 9-14 Wa
Nippostrongylus brasiliensis-infected rats, kinetics of mast cells and globule leucocytes at small intestinal sites and in heterotopically transplanted isografts of intestine

Globule leukocytes
Ruitenberg EJ et al
1980 Internat Arch Allergy and Applied Immunol 62 (1) 104-110 Wa
Trichinella spiralis infection in mice genetically selected for high and low antibody production, specific antibody response, histopathological changes in small intestine with emphasis on macrophages, intestinal mast cells, globule leucocytes, and eosinophils

Globule leukocytes
Ruitenberg EJ; Buys J
1980 Vet Immunol and Immunopath 1 (3) Aug 199-214 Wa
Trichinella spiralis, mice, effects of pregnancy on course of infection and associated histopathological changes in thymus and small intestine (litter size, thymus atrophy and thymus mast cells, worm expulsion, recovery of muscle larvae, intestinal mast cells and globule leucocytes, intestinal eosinophils, antibody production, blood eosinophilia)

Globule leukocytes
Ruitenberg EJ; Elgersma A
1980 Brit J Exper Path 61 (3) June 285-290 Wa
Trichinella spiralis, rats, single or double infections, kinetics of globule leucocytes in the intestinal epithelium, independence of globule leucocytes from intestinal mast cells

Globulins See Immunoglobulins; Proteins

Glucose See Carbohydrates

Glycogen See Carbohydrates

Glycolysis See Carbohydrates; Metabolism

Glycoproteins [See also Biochemistry; Carbohydrates; Metabolism; Proteins]

Glycoproteins, Host
Deas JE; Adler KA; Wilson LA
1981 Am J Trop Med and Hyg 30 (3) May 544-554 Wa
Plasmodium berghei, effect on membranes of murine erythrocytes, biochemical and immunological analyses, quantitative but not qualitative changes in membrane proteins and glycoproteins, no antigenic changes detected

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1980 J Protozool 27 (2) May 241-247 Issued July 17 Wa
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1981 Parasitology 83 (2) Oct 357-372 Wa
Plasmodium falciparum, P. vivax, erythrocyte membrane sialoglycoproteins in infected and uninfected individuals: Papua New Guinea

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Howard RJ; Day KP
1981 Exper Parasitol 51 (1) Feb 95-103 Wa
Plasmodium berghei-infected mouse blood, modification of surface membrane glycoprotein sialic acids on uninfected and infected red cells, possible implications with regard to anemia induced by malaria (new sialic acid antigen(s) may elicit binding of autoantibody)

Glycoproteins, Host
Howard RJ; Smith PM; Mitchell GF
1980 Parasitology 81 (2) Oct 251-271 Wa
Babesia rodhaini-infected intact or hypothymic BALB/c mice, characterization of surface protein and glycoproteins on red blood cells; considerations in radioisotope labelling

Glycoproteins, Host
Howard RJ; Smith PM; Mitchell GF
1980 Parasitology 81 (2) Oct 273-298 Wa
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1979 Bull World Health Organ 57 suppl 1 101-107 Wa
Plasmodium falciparum, proteins and glycoproteins from infected erythrocytes (fractions enriched in membrane fragments with 'knobs' vs. fractions devoid of them)

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1981 J Cell Biol 90 (3) Sept 563-567 Wa
Plasmodium falciparum, inhibitory effects of erythrocyte membrane proteins on in vitro invasion of merozoites into host cell, observations imply role for glycophorin A in attachment of malarial parasite to erythrocyte surface

Glycoproteins, Host
Persellin RH; Thorne KJI
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 436-438 Wa
Trypanosoma dionisii, inhibition of phagocytosis of trypanosomes by normal polymorphonuclear leucocytes in presence of pregnancy-associated alpha-2-glycoprotein, could account for suggested increase in frequency and severity of protozoal infectons during gestation

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Yodoi J; Hirashima M; Ishizaka K
1980 J Immunol 125 (4) Oct 1436-1441 Wm
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1981 Biochem J 193 (2) Feb 1 647-650 Wa
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Glycoproteins, Parasite
Barbet AF et al
1981 Parasitology 83 (3) Dec 623-637 Wa
Trypanosoma brucei brucei, identification of fragment containing cross-reacting antigenic determinants in variable surface glycoprotein

Glycoproteins, Parasite
Beames CG jr; Merz JM; Donahue MJ
1981 Biochem Parasites (Slutzky) 75-83 Wa
Ascaris suum, intestine, some biochemical and physiological characteristics, movement of electrolytes and non-electrolytes across epithelial cell membrane and permeability characteristics of basement membrane

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1980 Nature London (5791) 288 Dec 11 624-626 Wa
Trypanosoma brucei, nucleotide sequence data which suggest that primary translation product of one variant surface glycoprotein gene contains hydrophobic tail at carboxy terminus which is not found on isolated mature glycoprotein, data also predict that glycosylated residue is aspartic acid rather than anticipated asparagine

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1980 European J Biochem 109 (1) Aug 1 139-150 Wm
Trypanosoma brucei, glycoprotein biosynthesis, glycosylation of glycoproteins located in and attached to plasma membrane

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1981 Comp Biochem and Physiol 70B (2) 319-322 Wm
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Glycoproteins, Parasite
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1981 2 Internat Cong Cell Biol (Berlin (West) Aug 31-Sept 5 1980) 401-410 Wm; Wa
Trypanosoma cruzi, overall chemical composition of epimastigote plasma membrane, surface glycoproteins, binding of host proteins to surface, attempts to discriminate between adhesion and penetration to in vitro cultured mammalian cells, review

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Trichinella spiralis, proteins and antigens isolated from large-particle fraction derived from muscle larva, characterization using variety of standard chemical and immunological procedures, ability to induce protection in mice

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Trypanosoma cruzi, chemical composition of plasma membrane from epimastigote forms

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1981 Biochem Parasites (Slutzky) 47-65 Wa
Leishmania braziliensis, cell surface properties, differences between amastigotes and promastigotes and between pathogenic and non-pathogenic strain; kinetics of production and secretion of leishmanial metabolic products, biochemical and chemical characteristics of secreted material, cellular processes that accompany its exclusion from cell's interior

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Holder AA; Cross GAM
1981 Molec and Biochem Parasitol 2 (3-4) Feb 135-150 Wa
Trypanosoma brucei, glycopeptides from variant surface glycoproteins, amino acid and sugar composition and partial or complete amino acid sequence, C-terminal location of antigenically cross-reacting carbohydrate moieties

Glycoproteins, Parasite
Johnson AM; McDonald PJ; Neoh SH
1981 Biochem and Biophys Research Commun 100 (3) June 16 934-943 Wa
Toxoplasma gondii, molecular weight analysis of major polypeptides and glycopeptides

Glycoproteins, Parasite
Kilejian A
1980 Proc National Acad Sc 77 (6) June 3695-3699 Wm
Plasmodium falciparum, establishment of highly synchronized cultures enabled identification of stage-specific proteins, glycoproteins, and antigens unique to schizonts and merozoites

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Kilejian A
1981 Biochem Parasites (Slutzky) 67-73 Wa
Plasmodium falciparum, protein synthesized by parasite is correlated with formation of knobs on membranes of infected human erythrocytes, glycoprotein of parasite origin becomes apparent on membrane of infected erythrocytes during schizogony

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1981 Biochem and Biophys Research Commun 99 (2) Mar 31 729-736 Wa
Trypanosoma equiperdum, variant specific glycoproteins, cross reacting determinants and chemical studies

Glycoproteins, Parasite
Lyon JA et al
1981 J Immunol 126 (1) Jan 134-137 Wm
Trypanosoma rhodesiense, use of monoclonal antibodies to probe molecular basis for charge heterogeneity in variant-specific surface coat glycoprotein

Glycoproteins, Parasite
Matthyssens G et al
1981 Nature London (5829) 293 Sept 17-23 230-233 Wa
Trypanosoma brucei, two variant surface glycoproteins have conserved C-terminus

Glycoproteins, Parasite
Nogueira N et al
1981 J Exper Med 153 (3) Mar 1 629-639 Wa
Trypanosoma cruzi, surface antigens of blood and culture forms, both major surface components were presumably glycoproteins, one component thought to be responsible for anti-phagocytic properties of blood-form trypomastigotes

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Olenick JG; Travis RW; Garson S
1981 Molec and Biochem Parasitol 3 (4) Aug 227-238 Wa
Trypanosoma rhodesiense, variant-specific surface coat glycoproteins, chemical and immunological characterization

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Crithidia fasciculata, pathway of protein glycosylation

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1980 Parasitology 80 (1) Feb 113-122 Wa
Trypanosoma congolense, demonstration of glycoprotein character of surface coat protein and of exteriorly exposed carbohydrate residues of surface coat

Glycoproteins, Parasite
Reinwald E; Rautenberg P; Risse HJ
1981 Biochim et Biophys Acta 668 (1) Mar 27 119-131 Wm
Trypanosoma congolense, purification of variant antigens, new approach to isolation of glycoproteins

Glycoproteins, Parasite
Richards FF et al
1981 Fed Proc 40 (5) Apr 1434-1439 Wa
Trypanosoma congolense, antigenic variation and surface glycoproteins, review

Glycoproteins, Parasite
Rosen NL et al
1981 Exper Parasitol 52 (2) Oct 210-218 Wa
Trypanosoma congolense strain cloned, passaged through tsetse fly, and subsequently recloned, relapsing infections induced in rats by syringe passage of cloned trypanosomes, relapsing infection was associated with change of one major glycoprotein spectrotype to second spectrotype, these variant surface glycoproteins may be products of sequentially expressed genes

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Schmidt-Ullrich R; Wallach DFH; Lightholder J
1980 Cell Biol Internat Rep 4 (6) June 555-561 Wa
Plasmodium knowlesi, metabolic labelling of parasite-specific glycoproteins in membranes of parasitized rhesus monkey erythrocytes

Glycoproteins, Parasite
Sharma PN; Sharma AN
1981 J Helminth 55 (3) Sept 223-229 Wa
Ceylonocotyle scoliocoelium, neurosecretory cells, histochemical tests for enzymes and non-enzymatic substances

Glycoproteins, Parasite
Simpson AJG et al
1981 Parasitology 83 (1) Aug 163-177 Wa
Schistosoma mansoni, tegumental outer membrane of adult worms, method for isolation, partial biochemical and morphological characterization

Glycoproteins, Parasite
Snary D et al
1981 Molec and Biochem Parasitol 3 (6) Oct 343-356 Wa
Trypanosoma cruzi, cell surface antigens, use of monoclonal antibodies to identify and isolate epimastigote-specific glycoprotein

Glycoproteins, Parasite
Strickler JE; Patton CL
1980 Proc National Acad Sc 77 (3) Mar 1529-1533 Wa
Trypanosoma brucei brucei, relatively simple medium that allows specific labeling of carbohydrate portion of glycoproteins, majority of label appears in variable surface coat glycoprotein, inhibitor studies using tunicamycin or cycloheximide

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Udeinya IJ; Van Dyke K
1980 Bull World Health Organ 58 (3) 445-448 Wa
Plasmodium falciparum, significant incorporation of glycoprotein precursors into membrane glycoproteins of parasites cultivated in vitro

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1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 111-116 Wa
Trichinella spiralis-infected germfree and conventional mice, reactivity of lymphocytes

Gnotobiotic animals
Przyjalkowski Z; Cabaj W; Kontny E
1979 Zentralbl Bakteriol 1 Abt Suppl (7) 181-187 Wa
Trichinella pseudospiralis, germfree and conventional mice, course of infection, hematological and serological changes, humoral response determined by immunodiffusion and hemagglutination tests; ". . .it seems unjustified to distinguish the two types of Trichinella [spiralis and pseudospiralis] as separate species only on the basis of the presence of the envelope sheathing T. spiralis larvae"

Gnotobiotic animals
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1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (2) 109-115 Wa
Trichinella spiralis, germfree and conventional mice treated with immunosuppressive cyclophosphamide, course of intestinal infection, low dose immunosuppressive, high dose killed parasites

Gnotobiotic animals
Przyjalkowski Z; Golinska Z; Bany J
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (2) 117-120 Wa
Trichinella spiralis, germfree and conventional mice, influence of immunosuppressant cyclophosphamide on serum IgM, IgG, and IgA levels

Gnotobiotic animals
Przyjalkowski Z; Golinska Z; Bany J
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 71-74 Wa
Trichinella spiralis, lysozyme activity in course of experimental infection in germfree and conventional mice treated with cyclophosphamide

Gnotobiotic animals
Przyjalkowski Z; Kontny E; Cabaj W
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 87-93 Wa
Trichinella spiralis-infected germfree and conventional mice, haematologial changes as index of course of infection

Gnotobiotic animals
Przyjalkowski Z; Schollenberger A; Frymus T
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 81-85 Wa
Trichinella spiralis-infected germfree and conventional mice, macrophage migration inhibition test

Gnotobiotic animals
Przyjalkowski Z; Warton A
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 75-79 Wa
Trichinella spiralis-infected germfree and conventional mice, scanning electron microscopy of small intestinal epithelium

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Uber CL; Roth RL; Levy DA
1980 Nature London (5779) 287 Sept 18 226-228 Wa
Nippostrongylus brasiliensis, expulsion by mice deficient in mast cells not different from control mice, possible role of goblet cells in self-cure reaction

Gonads [See also Glands; Reproductive organs]

Gonads, Host
Anosa VO; Isoun TT
1980 Research Vet Sc 28 (2) Mar 151-160 Wa
Trypanosoma vivax, goats, sheep (both exper.), testicular pathology

Gonads, Host
Costa JS et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 246-260 Wm
Schistosoma mansoni-infected mice, growth, blood picture, histology of glands and reproductive organs, effect of splenectomy

Gonads, Host
Mascaro-Lazcano MC; Guevara-Pozo D
1977 Rev Iber Parasitol 37 (1-2) Jan-June 99-107 Wa
Trichinella spiralis-infected mice, males more susceptible to infections, castration decreased susceptibility in both males and females

Gonads, Host
Rondelaud D; Barthe D
1980 Bull Soc Zool France 105 (4) 481-490 Wa
Fasciola hepatica-infected Lymnaea truncatula (exper.), histopathological studies on genital epithelium

Gonads, Host
Thomas JS
1974 Veliger 17 (2) Oct 1 207-210 Wm
Cryptocotyle lingua, Himasthla leptosoma, glycogen and free sugar levels of rediae and of digestive gland and gonad of parasitized and non-parasitized Littorina littorea

Gonads, Parasite
Kanwar U; Agrawal M; Nath V
1980 Zool Polon 28 (2) 189-198 Wa
Gastrothylax crumenifer, Ceylonocotyle dawesi, non-enzymatic components in ovary, cytochemical analysis

Gonads, Parasite
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1980 J Ultrastructure Research 70 (1) Jan 128-136 Wa
existence of 'blood-testis' barrier demonstrated in Dipetalonema dessetae

Gonads, Parasite
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1980 Ann Entom Soc Am 73 (5) Sept 613-616 Wa
Boophilus annulatus, B. microplus, testes development, timing and occurrence of spermatogenesis, karyotypes

Granulocytes [See also Basophils; Eosinophils; Leukocytes; Neutrophils]

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Albright JW; Albright JF
1981 Infect and Immun 33 (2) Aug 355-363 Wa
Trypanosoma lewisi, basis of host specificity investigated in various mouse strains and in vitro, some parallel experiments with T. musculi, results suggest that principal mechanism responsible for murine resistance to heterologous trypanosomes is type of antibody-dependent granulocyte-mediated immunity involving naturally occurring antibody and probably platelets

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1981 J Infect Dis 143 (5) May 712-718 Wa
Trichinella spiralis, in vitro study of capacity of human leukocytes in presence of serum from infected individuals and complement to destroy newborn larvae, results show that host defense is in part mediated by granulocytes and dependent on presence of IgG antibodies directed against migratory parasitic stage

Granulocytes
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1980 Ann Trop Med and Parasitol 74 (2) Apr 157-166 Wa
Schistosoma mansoni, sporocysts in Biomphalaria glabrata with strong natural resistance are encapsulated by granulocytes and killed by strong phagocytic activity, irradiated Echinostoma paraensei sporocysts suppress function of granulocytes; tissue responses associated with destruction of secondary sporocysts in snails with self-cure indicate partial suppression of granulocyte function

Granulocytes
Musumeci S et al
1978 Acta Trop 35 (2) June 183-193 Wa
kala azar, 5 patients, leukokinetic studies, mechanism of neutropenia

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1980 Am J Trop Med and Hyg 29 (6) Nov 1263-1267 Wa
Schistosoma mansoni, comparison of killing effect of granulocytes and complement with and without antibody on fresh vs. cultured schistosomula in vitro

Granulocytes
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1981 Clin Immunol and Immunopath 18 (1) Jan 76-84 Wm
Wuchereria bancrofti, humans, alterations in blood eosinophilia and activities of eosinophil enzymes in relation to diethylcarbamazine chemotherapy (changes in arylsulfatase B but not in peroxidase or beta-glucuronidase)

Granulocytes
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1979 J Infect Dis 140 (6) Dec 890-895 Wa
Toxoplasma gondii, human monocytes and granulocytes are active in restricting dissemination of parasites during acute infections

Granuloma
Abouzkham AA; Buttner A
1980 Ann Parasitol 55 (2) Mar-Apr 199-207 Wa
Schistosoma mansoni, mice, development of hepatic granulomas in challenge infections, effect of time between initial and challenge infections, effect of size of initial infecting dose

Granuloma
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1977 Ain Shams Med J 28 (5-6) Sept-Nov 393-395 W[illegible]
schistosomal granuloma of spinal cord vs. non-schistosomal granuloma, histopathology, results of circumoval precipitin test and clinical features of 2 cases compared: Egypt

Granuloma
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1981 Tr Roy Soc Trop Med and Hyg 75 (3) 444-446 W[illegible]
Schistosoma mansoni, response induced in normal healthy mice by eggs that were recovered from severely protein-deficient mice, concluded that suppression of host cellular immunity may not be only factor that explains suppression of granulomatous response to eggs in severe protein malnutrition

Granuloma
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1980 Infect and Immun 27 (1) Jan 75-80 Wa
Schistosoma mansoni-infected athymic nude mice, etiology of liver granulomatous response

Granuloma
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1981 Clin Immunol and Immunopath 18 (2) Feb 276-286 Wm
Schistosoma mansoni, mice, collagen synthesis during cell-mediated granulomatous response as determined in explanted pulmonary granulomas

Granuloma
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1980 Nouv Presse Med 9 (39) Oct 25 2918 Wm
Anisakis infection in man, causing eosinophilic granuloma and intestinal occlusion, case report

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1980 Rev Paul Med 96 (3-4) Sept-Oct 79-80 Wm
Schistosoma mansoni, man, testicular schistosomal granuloma, case review, diagnosed by testicular biopsy and histological review: Brazil

Granuloma
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1976 Arch Sc Med Torino 133 (4) Oct-Dec 403-410 Wm
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1980 J Exper Med 151 (6) June 1 1398-1412 Wa
Schistosoma mansoni, mice, regulation of granulomatous inflammation, in vitro characterization of T lymphocyte subsets involved in production and suppression of migration inhibition factor

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1981 J Immunol 127 (1) July 363-367 Wm
Schistosoma mansoni-infected mice, participation of Ly $1^+$ and Ly $2^+$ T lymphocytes in suppression of granuloma formation and lymphokine production

Granuloma
Colin M et al
1980 Ann Dermat et Venereol 107 (8-9) Aug-Sept 759-767 Wm
Schistosoma mansoni, S. haematobium, humans, cutaneous localization, granulomatous papular lesions containing eggs, diagnosis by lesion biopsy and immunofluorescence: endemic areas of Ivory Coast

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1981 J Immunol 126 (4) Apr 1465-1468 Wm
Schistosoma mansoni, mice, T lymphocytes that contribute to immunoregulation of granuloma formation in chronic infection

Granuloma
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1980 Am J Trop Med and Hyg 29 (6) Nov 1279-1285 Wa
Schistosoma mansoni in CBA/J vs. C57BL/6 mice, differences in adult worm burden requirements for establishment of resistance to reinfection, differences in size of egg-induced hepatic granulomas

Granuloma
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1979 J Gynec Obst et Biol Reprod 8 (5) July-Aug 429-430 Wm
Enterobius vermicularis, woman, granuloma of left labia, case report, clinical discussion: Lille, France

Granuloma
El-Hawey AM et al
1978 J Egypt Med Ass 61 (5-6) 433-448 Wm
S[chistosoma] mansoni, chronic infection in Swiss albino mice, intravenous inoculation of live bacillus Calmette Guerin (BCG) vaccine produced nonspecific stimulation of cellular immunity, immunoprotection against S. mansoni infection, and enhancement of healing of bilharzial hepatic granulomas

Granuloma
Elias EA; van Wijk HB; Elias RA
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Schistosoma intercalatum-infected Syrian hamsters, pathologic changes in different internal organs, comparisons (pigment deposits, granulomas) with S. mansoni infection in same species

Granuloma
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1981 J Infect Dis 144 (2) Aug 148-153 Wa
Schistosoma mansoni, course of infection studied in various inbred strains of mice (according to degree of portal hypertension, granuloma size, organomegaly), data indicate that immunopathology associated with parasitic infection in mice is influenced by genetic background of host and is dependent in part on cell-mediated immunity

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1981 J Immunol 127 (1) July 115-120 Wm
Schistosoma japonicum, mice, dynamics of antigen- and mitogen-induced responses, in vitro comparison between hepatic granulomas and splenic cells, kinetics recall spontaneous modulation of various clinical and pathologic parameters in natural disease

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schistosomiasis-infected mice, inhibition of plasminogen activator associated with chronic granulomatous inflammation

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1979 Acta Chir Iugoslav 26 (2) 67-77 Wm
Ascaris lumbricoides, 3-year-old child, case report, granulomatous peritonitis caused by parasitic infection

Granuloma
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1981 Exper and Molecular Path 35 (2) Oct 199-210 Wa
Schistosoma mansoni-infected mice, angiotensin-converting enzyme and other enzymes in serum and in granulomatous and nongranulomatous regions of liver

Granuloma
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1980 Am J Trop Med and Hyg 29 (4) July 586-591 Wa
Schistosoma mansoni, mice, effect of splenectomy on pathophysiology, humoral and cell-mediated granulomatous responses, and liver fibrosis

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Schistosoma mansoni, histopathological sections of liver and gallbladder from human case of subacute infection reveal possible mode of action of eosinophils as effector cells in destruction of schistosome eggs in granulomas in vivo

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pruritus vulvae, pathological aspects, includes information on child with associated bilharzial granuloma

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Schistosoma mansoni, liver histopathology and granuloma formation studied in albino rats

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1977 Am J Gastroenterol 68 (1) July 64-70 Wm
Entamoeba histolytica, guinea pigs, assessment of immunologic role of hypersensitivity in formation of amebic granulomas

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Klei TR et al
1981 Acta Trop 38 (3) Sept 267-276 Wa
Brugia pahangi-infected Meriones unguiculatus, specific hypo-responsive granulomatous tissue reactions

Granuloma
Kojima Y et al
1981 Gastroenterol Japon 16 (2) 193-196 Wm
Trichuris trichiura, woman, case report, granuloma of ascending colon resulting from worm penetration of intestine: Japan

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1975 Am Surg 41 (6) June 385-390 Wm
Entamoeba histolytica, humans, indications for surgical intervention in acute fulminating colitis or in ameboma formation

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1980 Med Trop 40 (3) May-June 251-258 Wm
Schistosoma spp., epidemic in young military personnel, retrospective study of pathology, clinical aspects, diagnostic procedures, therapy: Tchad

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Loria-Cortes R; Lobo-Sanahuja JF
1980 Am J Trop Med and Hyg 29 (4) July 538-544 Wa
Angiostrongylus costaricensis, 116 children with intestinal eosinophilic granuloma, prevalence, host age and sex, monthly distribution, clinical and laboratory findings, radiology, surgical treatment, location of lesions, macroscopic and microscopic changes, medical treatment, evolution of disease: Costa Rica

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1979 Rev Saude Pub S Paulo 13 (4) Dec 326-334 Wm
Schistosoma mansoni, BH and SJ strains in mice, distribution and number of granulomas in body organs compared

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van Marck EAE et al
1980 Experientia 36 (9) Sept 15 1116-1118 Wa
Schistosoma mansoni, mice, experimental model for studies of pathogenesis of portal fibrosis using implantation of sepharose beads loaded or not with soluble egg antigen, preliminary collagen tissue immunotyping

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Dirofilaria immitis, human pulmonary lesions with granuloma formation, probable increasing incidence, differential diagnostic problems, need for increased diagnostic awareness: United States

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1981 Semaine Hop Paris 57 (1-2) Jan 8-15 30-33 Wm
granulomas of the liver, humans, clinical and pathological study of 55 cases, includes information on schistosomiasis and toxoplasmosis

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Mineura K et al
1981 No Shinkei Geka (Neurol Surg) 9 (2) Feb 175-178 Wm
Sparganum mansoni, Korean woman, live intracranial worm surgically removed from brain, granulomatous lesions seen by brain scan and computed tomography

Granuloma
Mitchell GF et al
1981 Internat J Parasitol 11 (4) Aug 267-276 Wa
Schistosoma japonicum, susceptibility of mice of various strains, infection characteristics, radioisotopic lung assay for granuloma formation, anti-egg circumoval precipitin responses

Granuloma
Olds GR; Mahmoud AAF
1980 J Clin Invest 66 (6) Dec 1191-1199 Wa
Schistosoma mansoni, mice, eosinophil-mediated destruction of schistosome eggs within host granulomatous response

Granuloma
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Granuloma
Pepys MB et al
1980 Immunology 39 (2) Feb 249-254 Wa
Schistosoma mansoni, mice, effect of T-cell deprivation on formation of hepatic granulomata and serum levels of acute phase proteins (C3 and serum amyloid P-component)

Granuloma
Phillips SM et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 820-831 Wa
Schistosoma mansoni, studies in athymic mice integrated with in vitro studies on granuloma formation, results indicate that resistance, granulomatous hypersensitivity and its modulation, and morbidity are contingent on thymus-dependent lymphocyte function

Granuloma
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1980 J Comp Path 90 (3) July 447-455 Wa
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Granuloma
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1978 Ztschr Hautkrankh 53 (15) Aug 1 540-542 Wm
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Granuloma
Vincent AL et al
1980 J Parasitol 66 (4) Aug 613-620 Wa
Brugia pahangi, chronologic development of vascular and perivascular lymphatic lesions in genital lymphatics of infected male Meriones unguiculatus

Granuloma
Weinstock JV et al
1981 J Clin Invest 67 (4) Apr 931-936 Wa
Schistosoma mansoni-infected mice, SQ 14225 (inhibitor of angiotensin I-converting enzyme (AEC)) can partially inhibit granulomatous response to schistosome eggs and pathological manifestations of schistosomiasis, possibility that ACE has inflammatory role in granulomatous inflammation

Granuloma
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1980 Parasite Immunol 2 (4) Winter 261-275 Wa
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Granuloma
Wyler DJ et al
1981 J Infect Dis 144 (3) Sept 254-262 Wa
Schistosoma mansoni, in vitro model, metabolic interactions between egg granuloma soluble products and fibroblasts, influence on pathogenesis of hepatic fibrosis, implications also for S. japonicum producing granulomas

Granuloma
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Capillaria hepatica in Mastomys natalensis (exper.), granuloma formation around eggs in lung capillaries following intravenous injection of eggs in pre-sensitized vs. non-infected animals, degree of cellular reactions dependent upon stage of existing infection

Granuloma
Zahner H; Rudolph R
1980 Zentralbl Vet Med Reihe B 27 (2) 85-101 Wa
Capillaria hepatica, embryonated eggs vs. embryonated, x-irradiated eggs, Mastomys natalensis (exper.), histopathology of liver and spleen, organ weight changes, role of eggs in granuloma formation

Great Britain, Scotland
McColm AA; Hutchison WM
1980 J Helminth 54 (4) Dec 255-257 Wa
intestinal helminths in stray domestic cats, prevalence, intensity, localization in small intestine, prevalence of double infections: central Scotland

Grooming See Behavior

Growth [See also Culture; Development; Reproduction]

Growth, Host
Armstrong E
1980 Ztschr Parasitenk 63 (2) 145-150 Wa
Nosema whitei in Tribolium castaneum (exper.), effects of crowding on host mortality and cannibalism, pupation and adult emergence, weight changes, and infection levels

Growth, Host
Borgsteede FHM
1980 Tijdschr Diergeneesk 105 (18) Sept 15 758-763 Wa
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Growth, Host
Boyce NP
1979 Canad J Zool 57 (3) Mar 597-602 Wa
Eubothrium salvelini-infected Oncorhynchus nerka (exper.), deleterious effect on growth, survival, and swimming performance of fish

Growth, Host
Chernin J
1981 J Helminth 55 (3) Sept 209-222 Wa
Taenia crassiceps in males and females of several different strains of rats, host growth curves, volume, antigenicity, and size of metacestodes

Growth, Host
Chick BF; Coverdale OR; Jackson ARB
1980 Austral Vet J 56 (12) Dec 588-592 Wa
Fasciola hepatica, beef cattle, three levels of infection, effect on growth: New South Wales

Growth, Host
Costa JS et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 246-260 Wm
Schistosoma mansoni-infected mice, growth, blood picture, histology of glands and reproductive organs, effect of splenectomy

Growth, Host
Crompton DWT et al
1981 Internat J Parasitol 11 (6) Dec 457-461 Wa
Moniliformis dubius-infected male and female rats fed on diets containing growth-limiting amounts of fructose, food intake, weight gain, and blood sugar; numbers, sex ratio, dry weight, and location of parasites in small intestine of hosts; results can be interpreted to suggest competition for dietary fructose between parasite and host

Growth, Host
Daddow KN
1979 Austral Vet J 55 (9) Sept 433-434 Wa
Eperythrozoon ovis, lambs (exper.), anemia, reduced wool production and weight gains, decreased exercise tolerance

Growth, Host
Drummond JG et al
1981 Am J Vet Research 42 (6) June 969-974 Wa
Ascaris suum, pigs (exper.), effects of exposure to atmospheric ammonia on productive performance and respiratory tract health, mathematical models

Growth, Host
Foreyt WJ; Parish SM; Foreyt KM
1981 Am J Vet Research 42 (1) Jan 57-60 Wa
Eimeria spp., lambs, lasalocid-medicated feed, improved weight gains and infection control

Growth, Host
Foreyt WJ; Todd AC
1979 J Wildlife Dis 15 (1) Jan 83-89 Wa
Fascioloides magna in Odocoileus virginianus (exper.), hematologic and biochemical values, weight gains

Growth, Host
Forsum E; Nesheim MC; Crompton DWT
1981 Parasitology 83 (3) Dec 497-512 Wa
Ascaris suum, young pigs receiving diets low in protein, effects of infection on growth, food intake, nitrogen and fat utilization, intestinal disaccharidase activity, lactose tolerance, and weight of intestinal tract

Growth, Host
Gaevskaia AV; Nigmatullin ChM
1981 Biol Nauki Min Vyssh i Sredn Spetsial Obrazovan SSSR (205) (1) 52-57 Wa
helminths of Sthenoteuthis pteropus, intensity and extensiveness of infection, synchronization of trophic and parasitological relationships of host, role of host in helminth developmental cycles: tropical Atlantic

Growth, Host
Ghareeb AM et al
1975 Ain Shams Med J 26 (1) Jan 81-89 Wm
Schistosoma mansoni, hormonal and enzyme changes occurring with hepatosplenic involvement, possible effects on host growth and development, golden hamster used as exper. model for human infections

Growth, Host
Gibson TE; Whitehead JD
1981 Brit Vet J 137 (2) Mar-Apr 192-195 Wa
Ostertagia circumcincta, lambs under continuous infection, changes in worm burden, resistance developed rapidly under these conditions, importance of controlling worm burdens to achieve rapid weight gain

Growth, Host
Gray SJ; Kennedy JP
1981 Austral J Exper Agric and Animal Husb (109) 21 Apr 179-182 Wa
gastro-intestinal parasites, drenched and undrenched sheep, host survival, wool growth, liveweight gain, and change in parasite burden throughout year in an arid environment: New South Wales

Growth, Host
Gruner L et al
1980 Ann Recherches Vet 11 (2) 133-140 Wa
gastro-intestinal nematodes, seasonal distribution in sheep and on pastures, influence of meteorological conditions upon infective larval populations on pastures, host growth: Western central region of France

Growth, Host
Grzywinski L; Poznanski W
1981 Med Wet 37 (1) Jan 15-16 Wa
Oesophagostomum dentatum, pigs given thiabendazole at various ages, differences in body weight gains

Growth, Host
Hale OM et al
1981 J Animal Sc 52 (2) 316-322 Wa
Oesophagostomum quadrispinulatum, O. dentatum, pigs (exper.), effect of different levels of infection on weight gain, digestion, and absorption of nutrients

Growth, Host
Haller L; Lauber E
1980 Acta Trop 37 (4) Suppl 11 Dec 63-73 Wa
parasites in school children, influence on growth: Ivory Coast

Growth, Host
Henry FJ
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 507-513 Wa
children studied with regard to anthropometry, intestinal helminths (Ascaris and Trichuris), diarrhoea and other illnesses, findings related to different levels of sanitation and water supplies, possibility of malnutrition being secondary to illness rather than primary: St. Lucia, West Indies

Growth, Host
Horton GMJ; Stockdale PHG
1981 Canad Vet J 22 (6) June 175-178 Wa
Eimeria spp., early weaned lambs fed different levels of monensin, effect on performance, oocyst discharge, and rumen metabolism

Growth, Host
Hubert J; Kerboeuf D; Gruener L
1979 Ann Recherches Vet 10 (4) 503-518 Wa
gastrointestinal nematodes, sheep, monthly prevalence, thiabendazole-treated vs. nontreated groups, host growth, parasite counts, coproscopical examination, plasma pepsinogen levels: North Limousin area, France

Growth, Host
Ilemobade AA; Balogun TF
1981 Trop Animal Health and Prod 13 (3) Aug 128-136 Wa
Trypanosoma brucei, T. congolense, T. simiae, pigs (exper.), effects of infection on feed intake, liveweight gain, and carcass traits

Growth, Host
Jimenez Albarran M
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 95-105 Wa
Fasciola hepatica miracidia, influence on growth of Lymnaea truncatula, castration also observed

Growth, Host
Kirkwood AC
1980 Vet Rec 107 (20) Nov 15 469-470 Wa
Psoroptes ovis, sheep (exper.), effect on body-weight and wool loss

Growth, Host
Knight R; Merrett TG
1981 Ann Trop Med and Parasitol 75 (3) June 299-314 Wa
Necator americanus, human, prevalence and intensity by age and sex, seasonal changes, morbidity (asthma, growth parameters, haemoglobin), total IgE levels, other parasites: The Gambia

Growth, Host
Kuris AM
1980 Internat J Parasitol 10 (4) Aug 303-308 Wa
Echinostoma liei, effect of exposure to miracidia on growth and survival of young (1-2mm) vs. 4-6mm Biomphlaria glabrata, implications for use of E. liei for biological control of Schistosoma mansoni and its intermediate host

Growth, Host
Loker ES
1979 J Invert Path 34 (2) Sept 138-144 Wa
Schistosomatium douthitti-infected Lymnaea catascopium, growth, survival, and reproduction of host

Growth, Host
Mohamed AM; Ishak MM
1981 Hydrobiologia 76 (1-2) Jan 5 17-21 Wa
Schistosoma mansoni-infected and normal Biomphalaria alexandrina, growth rate, glycogen content of different body parts, glucose utilization

Growth, Host
Norton CC; Joyner LP
1980 Parasitology 81 (2) Oct 315-323 Wa
Eimeria mivati (including isolate thought at first to be E. mitis), E. acervulina, differentiation on basis of cross-immunity studies and pathogenicity (changes in body weight and oocyst output, distribution in intestine, density of parasites, analysis of villus height and mucosal thickness)

Growth, Host
Odening K
1979 Ang Parasitol 20 (4) Nov 185-192 Wa
Spirometra, effects of 'sparganum growth factor' on rodents using 'mansonoides' vs. 'non-mansonoides' forms

Growth, Host
O'Kelly JC
1980 Vet Parasitol 6 (4) Mar 381-390 Wa
effects of natural parasitic infestations (treated and untreated) on body growth and blood composition of 3 breeds of cattle grazing in a tropical environment: Belmont, Australia

Growth, Host
Poelvoorde J; Berghen P
1981 Research Vet Sc 31 (1) July 10-13 Wa
Oesophagostomum dentatum, repeated daily mass infection in pigs fed limited ration, severe diarrhoea and anorexia, average body-weights, blood and plasma analyses, histopathology of ileum, colon, and caecum, number of larvae in incubated and digested tissue and total number of larvae in intestinal lumen

Growth, Host
Prosl H et al
1980 Wien Tierarztl Monatsschr 67 (1) Jan 14-19 Wa
nematodes, pigs, single and mixed infections, infection rates by breed and sex of host, influence of infection on slaughtering and fattening performance: Wien

Growth, Host
Rao KH; Shyamsunderi K
1974 Indian J Helminth 24 (1-2) Mar-Sept 1972 40-46 Issued Sept 1 Wa
strigeid metacercaria, effect on weight and behavior of Catla catla: Andhra State fishery nursery pond, Samalkot, India

Growth, Host
Reaka ML
1978 Veliger 21 (2) Oct 1 251-254 Wm
Caledoniella montrouzieri on Gonodactylus viridis, parasitism increased molting intervals and lowered molting rate but had no effect on host growth per molt, oviposition was completely inhibited: Phuket, Thailand

Growth, Host
Romaniuk K; Olejnik T; Ulanowski M
1981 Med Wet 37 (1) Jan 12-14 Wa
Oesophagostomum dentatum, influence on fertilization of sows and body weight gains of piglets

Growth, Host
Schmidt SP; Platzer EG
1980 J Invert Path 36 (2) Sept 240-254 Wa
Romanomermis culicivorax in Culex pipiens (exper.), histopathology, changes in fat body tissue, imaginal disc development, growth, and in hemolymph carbohydrates, amino acids, and proteins

Growth, Host
Sharp PT; Harvey P
1980 Papua N Guinea Med J 23 (3) Sept 132-140 Wm
Plasmodium falciparum and P. vivax, contributing factor to stunting of growth (expression of malnutrition) in young children, suggested prophylactic and/or control measures: Highlands Valley, Papua New Guinea

Growth, Host
Sluiters JF; Brussaard-Wuest CM; Meuleman EA
1980 Ztschr Parasitenk 63 (1) 13-26 Wa
Trichobilharzia in Lymnaea stagnalis (exper.), effect of miracidial dose on infection rate, length of prepatent period, production of cercariae, snail growth and ovipository activity, and weights of snail accessory sex organs

Growth, Host
Smith SB; Gibbs HC
1981 Am J Vet Research 42 (6) June 1065-1072 Wa
naturally acquired mixed helminth parasitism in treated vs. untreated yearling dairy calves, in face of constant pasture challenge exposure most adult worms were eliminated from treated animals but adverse effects of parasitism were not reversed

Growth, Host
Steel JW; Symons LEA; Jones WO
1980 Austral J Agric Research 31 (4) July 821-838 Wa
Trichostrongylus colubriformis-infected lambs, interrelationships between level of exposure to worms, production loss (liveweight gain, wool growth), and host physiological and metabolic changes associated with disease development

Growth, Host
Stephenson LS
1980 Parasitology 81 (1) Aug 221-233 Wa
Ascaris lumbricoides, contribution to malnutrition in children, review with recommendations for further research and for control of ascariasis

Growth, Host
Stephenson LS et al
1980 Exper Parasitol 49 (1) Feb 15-25 Wa
Ascaris suum-infected young pigs, nutrient (protein and fat) absorption, growth, and intestinal pathology

Growth, Host
Stephenson LS et al
1980 Am J Clin Nutrition 33 (5) May 1165-1172 Wa
Ascaris lumbricoides-infected pre-school children, even light infections may adversely influence nutritional status and deworming may enhance growth: Kenya

Growth, Host
Stpiczynska R
1979 Polskie Arch Hydrobiol 26 (4) 515-528 Wa
Fasciola hepatica, pathophysiology in Lymnaea tomentosa, host activity and growth

Growth, Host
Sykes AR; Coop RL; Rushton B
1980 Research Vet Sc 28 (1) Jan 63-70 Wa
Fasciola hepatica, sheep (exper.), chronic subclinical infection, effects on food intake, food utilisation and blood constituents

Growth, Host
Symons LEA; Steel JW; Jones WO
1981 Austral J Agric Research 32 (1) 139-148 Wa
Ostertagia circumcincta, lambs (exper.), effects of level of larval intake on productivity and physiological and metabolic responses

Growth, Host
Turk DE
1981 Poultry Science 60 (2) Feb 323-326 Wa
Eimeria spp., chickens (exper.), effect of infection on host growth and intestinal absorption of iron

Growth, Host
Tzipori S et al
1981 Am J Vet Research 42 (8) Aug 1400-1404 Wa
Cryptosporidium, calves (exper.), (small and large intestines), diarrhea, histopathology, relationship between age at inoculation, incubation period, and clinical signs of infection

Growth, Host
Vasil'ev AA
1963 Trudy Vsesoiuz Inst Gel'mint 10 119-126 Wa
Fasciola hepatica, calves (exper.) untreated and treated with carbon tetrachloride, effect of early stages on host growth and development

Growth, Host
Willis GM; Baker DH
1981 J Nutrition 111 (7) 1157-1163 Wa
Eimeria acervulina-infected chicks (exper.) fed diets deficient in amino acid had increased rate and efficiency of weight gain while those fed adequate diets had expected severe growth depression, response resulted from parasitic infection per se and not from components of inoculum

Growth, Host
Wilson RA; Denison J
1980 Ztschr Parasitenk 61 (2) 109-119 Wa
Fasciola hepatica-infected Lymnaea truncatula (exper.), parasitic castration and gigantism; no significant difference between survival of infected vs. control snails

Growth, Host
Windon RG; Dineen JK; Kelly JD
1980 Internat J Parasitol 10 (1) Feb 65-73 Wa
Trichostrongylus colubriformis, lambs, vaccination with irradiated larvae, dissociation into 'responders' and 'non-responders': response to primary sequential challenge, response to rechallenge with single dose, correlation between haemoglobin type and faecal egg counts during primary and secondary challenge, effect of vaccination and challenge on liveweight gain and wool growth

Growth Host
Yvore P; Esnault A; Besnard J
1980 Rev Med Vet Toulouse 131 (3) Mar 237-245 Wa
lambs (exper.) infected with Eimeria ninakohlyakimovae alone or in combination with Trichostrongylus colubriformis, some lambs treated with thiabendazole-thiophanate, effect on host growth and food consumption, subclinical infection with coccidia developed after worm eradication which led to a slight decrease in growth

Growth, Host
Ziomko I
1980 Med Wet 36 (7) July 402-404 Wa
Ascaris suum, pigs (exper.), influence on body weight gains

Growth, Parasite
Ali-Khan Z; Siboo R
1980 Ztschr Parasitenk 62 (3) 241-254 Wa
Echinococcus multilocularis, growth of subcutaneous alveolar hydatid cyst in mice, histiogenesis, semiquantitative analysis of inflammatory infiltrates and their relationship to cysts and brood capsules in early and chronic infections

Growth, Parasite
Amin OM; Redlin MJ
1980 System Parasitol 2 (1) Dec 9-20 Wa
Echinorhynchus salmonis in Coregonus hoyi and Osmerus mordax, worm sex and age and the host species (salmonid host vs. non-salmonid host) affected worm growth and morphological variability, anomalies; extreme variability in cement gland pattern and the implications for using this diagnostic character on the generic level

Growth, Parasite
Barnard DR
1981 Ann Entom Soc Am 74 (5) Sept 507-511 Wa
Amblyomma americanum, classification into 3 growth classes of female ticks feeding on bovines; density of nymphs, larvae, and adult male and female ticks parasitic on bovines vs. free-living on pasture in different months, concluded that $CO_2$ and drag samples of nonparasitic ticks did not accurately reflect levels of tick infestation on bovines: Oklahoma

Growth, Parasite
Beck JT
1980 Am Midland Naturalist 104 (1) July 135-154 Wa
Probopyrus pandalicola on Palaemonetes paludosus, breeding season, brood size (annual and seasonal variation, relationship to host length, independent of host sex), attachment and size development of male and female parasites, host and parasite population structure and longevity: Wakulla Co., Florida

Growth, Parasite
Brun R
1980 J Protozool 27 (1) Feb 122-128 Issued Apr 28 Wa
Trypanosoma brucei brucei, effect of hydroxyurea on growth, structure, and $[^3H]$thymidine uptake of procyclic culture forms

Growth, Parasite
Burden CS; Ubelaker JE
1981 Exper Parasitol 51 (1) Feb 28-34 Wa
Schistosoma mansoni in mice vs. S. haematobium in hamsters, growth and maturation of bisexual and unisexual infections in relationship to copulation, egg shell protein formation, and oviposition, vitellogenesis evaluated with electron microscopy after diazonium salt staining and autofluorescence

Growth, Parasite
Chernin J
1981 J Helminth 55 (3) Sept 209-222 Wa
Taenia crassiceps in males and females of several different strains of rats, host growth curves, volume, antigenicity, and size of metacestodes

Growth, Parasite
Christie PR; Moqbel R
1980 J Helminth 54 (4) Dec 267-269 Wa
Hymenolepis diminuta, effect of high doses of gamma-irradiation on growth and survival

Growth, Parasite
Coadwell WJ; Ward PFV
1981 Parasitology 82 (2) Apr 257-261 Wa
Haemonchus contortus, development, composition, and maintenance of experimental populations in sheep: relation between worm body length, dry weight, and age, growth curves, variations in sex ratio for infections of different ages, rate of expulsion

Growth, Parasite
Crompton DWT et al
1981 Internat J Parasitol 11 (6) Dec 457-461 Wa
Moniliformis dubius-infected male and female rats fed on diets containing growth-limiting amounts of fructose, food intake, weight gain, and blood sugar; numbers, sex ratio, dry weight, and location of parasites in small intestine of hosts; results can be interpreted to suggest competition for dietary fructose between parasite and host

Growth, Parasite
Dumon H et al
1981 Compt Rend Soc Biol Paris 175 (1) 82-86 Wa
Leishmania infantum, canine strain, growth in continuous culture

Growth, Parasite
Dvorak JA; Hartman DL; Miles MA
[1981] J Protozool 27 (4) Nov 1980 472-474
Issued Mar 11 Wa
Trypanosoma cruzi, correlation of growth kinetics in vitro to zymodeme type in clones derived from various sources

Growth, Parasite
Eberhard ML; Orihel TC
1981 J Parasitol 67 (4) Aug 556-564 Wa
Loa loa in experimental primate hosts, development from infective to adult stage, morphology, differences in growth rate between sexes

Growth, Parasite
Esteves MJG et al
1979 J Invert Path 34 (2) Sept 257-266 Wa
Herpetomonas samuelpessoai, effect of ultraviolet and γ-radiations on cell growth and plasma membrane

Growth, Parasite
Fahy E
1980 J Fish Biol 16 (1) Jan 99-104 Wa
Eubothrium crassum in migratory Salmo trutta, incidence, worm burden, worm length, host age: off the Irish coast of Irish Sea

Growth, Parasite
Fischthal JH; Fish BL; Vaught RS
1980 J Parasitol 66 (4) Aug 642-644 Wa
Metadena globosa, comparative allometric growth in 3 species of Caribbean fishes: Belize

Growth, Parasite
Fredericksen DW
1980 J Parasitol 66 (6) Dec 973-984 Issued May 6 1981 Wa
Cotylogaster occidentalis, development, Aspidogaster conchicola, growth of ventral adhesive disc, light and scanning electron microscopy

Growth, Parasite
Fried B; Fine RH; Felter BL
1980 Parasitology 81 (1) Aug 41-45 Wa
Leucochloridiomorpha constantiae, growth, development, and pairing of metacercariae on chorio-allantois of chick embryos cultivated in vitro vs. worms grown in bursa of Fabricius of domestic chicks

Growth, Parasite
Fried B; Heyer BL; Pinski AK
1981 J Parasitol 67 (1) Feb 50-52 Wa
Amblosoma suwaense, cultivation in chick embryos from free metacercaria to ovigerous adult, development, growth

Growth, Parasite
Gillin FD; Diamond LS
1980 Exper Parasitol 49 (3) June 328-338 Wa
Entamoeba histolytica, E. invadens, effects of temperature and oxygen tension on growth and survival in vitro

Growth, Parasite
Helle E; Valtonen ET
1980 Canad J Zool 58 (2) Feb 298-303 Wa
Corynosoma strumosum, C. semerme, prevalence and location in Pusa hispida botnica, sex ratio, growth, and development of parasite: Bothnian Bay, Finland

Growth, Parasite
Insler GD; Roberts LS
1980 J Exper Zool 211 (1) Jan 45-54 Wa
Hymenolepis diminuta, rats, system for testing possible crowding factors in vitro, worms secreted substances inhibitory to growth of other worms

Growth, Parasite
Kemp DH; Bourne A
1980 Parasitology 80 (3) June 487-496 Wa
Boophilus microplus, effect of histamine and other pharmacologically active chemicals on attachment and growth of larvae

Growth, Parasite
Kennedy CR; Burrough RJ
1981 J Fish Biol 19 (1) July 105-126 Wa
Ligula intestinalis in Rutilus rutilus, introduction, establishment, and subsequent history of parasite population: origin of infection; distribution of infections in relation to size and age of fish; seasonal and annual changes in infection levels and within Ligula population (prevalence and intensity of infection, growth of parasite, index of parasitization, frequency distribution): Slapton Ley, Devon, U.K.

Growth, Parasite
Kondrashkova AN
1980 Biol Nauki Min Vyssh i Sredn Spetsial Obrazovan SSSR (200) (8) 48-54 Wa
Syngamus skrjabinomorpha, poultry (exper.), postembryological development; statistical methods used

Growth, Parasite
Lawson JR; Wilson RA
1980 Parasitology 81 (2) Oct 325-336 Wa
Schistosoma mansoni, growth and respiration of schistosomula during migration in mouse

Growth, Parasite
Loehr KA; Mead RW
1980 J Parasitol 66 (5) Oct 792-796 Wa
Hymenolepis citelli, changes in embryonic cell frequencies in germinative and immature regions, correlation with changes in wet weight (growth rate) and developmental stages

Growth, Parasite
McClelland G
1980 Exper Parasitol 49 (2) Apr 175-187 Wa
Phocanema decipiens in Phoca vitulina and Halichoerus grypus (both nat. and exper.), parasite growth, reproduction, survival (in sensitizing and challenge infections), and sex ratio; parasite incidence in free-living hosts varied seasonally and with host age: Nova Scotia

Growth, Parasite
Meyers TR; Millemann RE; Fustish CA
1980 J Parasitol 66 (2) Apr 274-281 Wa
Margaritifera margaritifera-infected Oncorhynchus kisutch vs. O. tshawytscha, hematology, infection intensities, parasite growth, histopathology, in vitro tests (attachment to excised gills; survival in fish mucus and plasma), serology

Growth, Parasite
Mills CA
1980 Internat J Parasitol 10 (4) Aug 287-291 Wa
Transversotrema patialense on Brachydanio rerio, (parasite) age- and density-dependent growth, increase in occurrence of reproductive abnormalities in old parasites

Growth, Parasite
Miremad-Gassmann M
1981 Ann Parasitol 56 (4) 407-421 Wa
Moniliformis moniliformis, rats, infection and re-infection, worm expulsion, worm growth, worm localization/migration in host intestine, differences between male and female worms

Growth, Parasite
Mondet B et al
1980 Cahiers ORSTOM s Entom Med et Parasitol 18 (1) 49-57 Wa
Gastromermis sp., Isomermis lairdi in Simulium damnosum, growth and sex-ratio of parasites: Mali

Growth, Parasite
Nathan MB
1981 Bull Entom Research 71 (1) Mar 97-105 Wa
Mansonella ozzardi in Culicoides phlebotomus (nat. and exper.), parasite growth rates, host daily survival rates and gonotrophic cycle, probable role as major vector in study area; Leptoconops bequaerti also experimentally infected: coastal north Trinidad

Growth, Parasite
Nathan MB
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 721-730 Wa
Culex quinquefasciatus, seasonal abundance, biting activity, physiological age composition of populations, daily survival rates, Wuchereria bancrofti infection and infectivity rates, correlation between physiological age and W. bancrofti development, growth of W. bancrofti in experimental infections; infective larva of W. bancrofti also found in one Anopheles aquasalis: North Trinidad, West Indies

Growth, Parasite
Novak M; Collins M; Evans WS
1980 Ztschr Parasitenk 61 (3) 243-247 Wa
Hymenolepis microstoma, growth in intact, gonadectomized, and sham-operated mice (exper.), sex of host, found that gonads of male hosts do not affect worm growth until 12th day post-infection

Growth, Parasite
Panfilova IM
1980 Zool Zhurnal 59 (8) Aug 1137-1147 Wa
Ixodes persulcatus, feeding females, inhibition of growth and oogenesis related to absence of fertilization, disturbances in activity of synganglion neurosecretory cells and lateral organs, dynamics of activity of different elements of neuro-endocrine system compared in feeding non-fertilized and fertilized females (these changes in non-fertilized females considered an adaptation to long wait for fertilization)

Growth, Parasite
Parmeter SN; Death DD; Twaalfhoven H
1981 Research Vet Sc 30 (2) Mar 257-259 Wa
Taenia hydatigena, dogs infected with 1, 5, 10, 20, or 40 cysticerci, worm sizes, weights, numbers, relative numbers of pre-gravid and gravid proglottids

Growth, Parasite
Parshad VR; Crompton DWT; Nesheim MC
1980 Proc Roy Soc London s B Biol Sc (1175) 209 Aug 13 299-315 Wa
Moniliformis in rats fed on various monosaccharides and disaccharides, parasite growth, reproductive activity, and distribution in host intestine

Growth, Parasite
Pfefferkorn ER; Pfefferkorn LC
1981 Exper Parasitol 52 (1) Aug 129-136 Wa
Toxoplasma gondii, growth in absence of host cell protein synthesis

Growth, Parasite
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Hawaii See United States, Hawaii

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Hemagglutination See Immunity, Agglutination

Hematocrit See Anemia; Blood

Hematuria See Urine and urinary tract

Hemocytes [See also Hemolymph]

Hemocytes
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Schistosoma mansoni-infected Biomphalaria glabrata, differential leukocytic response of hemocytes (significant increase of granulocytes, constant level of hyalinocytes)

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Hemoglobin [See also Anemia; Blood]

Hemoglobin, Host
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Hemoglobin, Host
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1981 Ann Genet 24 (2) 100-104 Wa
Plasmodium falciparum, human, relationship between sickle cell trait and malaria, data for this region fail to confirm hypothesis that AS genotype protects carrier against infection: Djoumouna (region de Brazzaville), Republique Populaire du Congo

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effect of riboflavin on hematologic changes in iron supplementation of schoolchildren, including those with hookworm: rural area near Bangkok, Thailand

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Haemonchus contortus, sheep of different hemoglobin types (exper.), phenothiazine treatment shortly after patency, faecal egg output, haematological indices, and worm burden (of arrested larvae and adults) at intervals after infection; removal of adult worms by treatment did not stimulate resumption of development of arrested larvae, hemoglobin type may be factor in arrest of larvae as it is in resistance to adult worms

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Plasmodium falciparum, children under age 6, incidence and severity of infection with respect to haemoglobin types and red cell glucose-6-phosphate dehydrogenase variants, results suggest that the presence of these genetic traits offers selective advantage against infections, possible mechanisms discussed

Hemoglobin, Host
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Hemoglobin, Host
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Hemoglobin, Host
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Hemoglobin, Host
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Schistosoma mansoni-infected mice, acid-active hemoglobinolytic enzyme in serum, source of enzyme not unequivocally proven but present evidence suggests it is of worm origin

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Windon RG; Dineen JK; Kelly JD
1980 Internat J Parasitol 10 (1) Feb 65-73 Wa
Trichostrongylus colubriformis, lambs, vaccination with irradiated larvae, dissociation into 'responders' and 'non-responders': response to primary sequential challenge, response to rechallenge with single dose, correlation between haemoglobin type and faecal egg counts during primary and secondary challenge, effect of vaccination and challenge on liveweight gain and wool growth

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Ascaris, effects of mercuric chloride, ferricyanide, and hydrogen peroxide on hemoglobin from body wall

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Nippostrongylus brasiliensis, hemoglobin from whole worm and from cuticle, structure and function, comparative work on Nematospiroides dubius (which also contains hemoglobin but not in its cuticle)

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Smit JDG; Winterhalter KH
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Dicrocoelium dendriticum, crystallographic data for haemoglobin

Hemoglobinuria See Hemoglobin; Urine and urinary tract

Hemolymph [See also Hemocytes]

Hemolymph
Abdul-Salam JM; Michelson EH
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Schistosoma mansoni in Biomphalaria glabrata, effect of infection on morphology, phagocytic activity, and number of amoebocytes in hemolymph

Hemolymph
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Sacculina carcini, effect of parasite extracts and of hemolymph of infected Carcinus on proteinogram and molting of uninfected Carcinus, changes similar to those found in infected Carcinus

Hemolymph
Bayne CJ; Buckley PM; DeWan PC
1980 Exper Parasitol 50 (3) Dec 409-416 Wa
Schistosoma mansoni, plasma of resistant Biomphalaria glabrata in conjunction with hemocytes of susceptible snails leads to disruption of sporocyst ultrastructure in vitro

Hemolymph
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experimentally induced elevations in acid phosphatase activity in hemolymph of Biomphalaria glabrata

Hemolymph
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marine cercariae that do not use molluscs as second intermediate hosts, unencysted Leucochloridiomorpha constantiae metacercariae, in vitro effects of cellular and humoral factors of Crassostrea virginica hemolymph: attraction of hemocytes to dead but not to living cercariae, encapsulation of dead cercariae by hemocytes, plasma (cell-free hemolymph) was apparently not toxic to these cercariae

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Sacculina carcini haemolymph contains haemocyanin

Hemolymph
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1981 J Invert Path 38 (2) Sept 256-263 Wa
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Dermacentor andersoni, free sugars in eggs, embryos, and adult haemolymph

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Lie KJ; Jeong KH; Heyneman D
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inducement of miracidia-immobilizing substance (MIS) in hemolymph of Echinostoma spp.- or Paryphostomum segregatum- (but not Schistosoma mansoni-) infected Biomphalaria glabrata, uninfected snails show tissue-extract MIS

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Plasmodium berghei in Anopheles stephensi, no significant effect on hemolymph volume

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Meinertia oestroides, Anilocra physodes, haemolymph proteins vary with physiological changes

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Hemorrhage
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1979 Am J Surg 138 (3) Sept 453-455 Wm
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Hepatitis See Liver

Heredity See Genetics

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Hides See Leather

Histochemistry [See also Biochemistry; Metabolism]

Histochemistry, Host
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Histochemistry, Host
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Histochemistry, Parasite
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1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 395-400 Wa
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Histochemistry, Parasite
Hayunga EG
1979 Proc Helminth Soc Washington 46 (2) July 171-179 Issued Aug 14 Wa
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Cyclocoelum oculeum from Fulica americana (orbit), histochemistry of miracidial and early redial stages

Histochemistry, Parasite
Varndell IM
1981 Ztschr Parasitenk 65 (2) 143-151 Wa
Haplosporidium malacobdellae from Amphiporus lactifloreus, distribution of several enzymes and metabolites within various life cycle stages of parasite, histochemical analysis

Histochemistry, Parasite
Varndell IM
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Haplosporidium malacobdellae from Amphiporus lactifloreus, catechol oxidase and peroxidase activities demonstrated in parasite tissues at various life cycle stages using variety of substrates and metabolic effectors, histochemistry, cytochemical demonstration of phenol and quinone groups in infected host tissue, possible function for enzymes in quinone tanning process of spore wall formation proposed

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Venkatanarsaiah J
1981 Parasitology 82 (2) Apr 241-244 Wa
Pricea multae, oncomiracidium, histochemical localization of cholinesterase activity in nervous system, tegumental and sub-tegumental musculature, and in pharyngeal bulb

Histology [See also Morphology]

Histology
Hayunga EG
1979 Proc Helminth Soc Washington 46 (2) July 171-179 Issued Aug 14 Wa
Glaridacris catostomi, G. laruei, and Hunterella nodulosa from Catostomus commersoni (intestine), histology, histochemistry, and fine structure of scolex glands, electron microscopy, role in attachment to host and in causing intestinal pathology: vicinity of Albany, New York

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Hymenolepis diminuta, morphology, histology, and fine structure of adult stage, review

Histopathology See Pathology

History of parasitology See Parasitology, History

Hormones [See also Biochemistry; Glands; Metabolism; Pheromones]

Hormones
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1980 Am J Vet Research 41 (9) Sept 1549-1551 Wa
Toxoplasma gondii, ponies (exper.), pathogenicity, serologic responses, effect of corticosteroids, and distribution in various tissues

Hormones
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pregnant cows exposed to Sarcocystis cruzi, Campylobacter fetus, or Aspergillus fumigatus, changes in plasma progesterone concentrations in bovine plasma cannot be used as diagnostic tool for fetal distress or fetal death

Hormones
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1981 Ann Parasitol 56 (3) 317-327 Wa
Strongyloides ratti, rats, repeated infections, parasitemia and corticosteronemia

Hormones
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1981 Ann Parasitol 56 (3) 329-338 Wa
Strongyloides ratti, rats, reinfection after spontaneous recovery, parasitemia and corticosteronemia

Hormones
Bailenger J; Chanraud JB; Guy M
1981 Ann Parasitol 56 (3) 313-315 Wa
Strongyloides ratti, rats, hypercorticosteronemia as function of intensity of parasitemia

Hormones
Barrabes A et al
1980 Ann Parasitol 55 (6) Nov-Dec 671-677 Wa
Schistosoma mansoni, castrated female hamsters, effect of administration of estradiol, testosterone, or progesterone on intensity of parasitism and on rate of circulating antibodies (indirect immunofluorescence), no relationship between level of serum antibodies and number of worms

Hormones
Barrabes A et al
1981 J Pharm Belg 36 (2) Mar-Apr 91-96 Wa
Schistosoma mansoni in golden hamsters (exper.), effects of 2 anti-estrogens (tamoxifene, clomifene) on intensity of infection and serum specific antibody levels, indirect immunofluorescence test

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1981 Internat J Parasitol 11 (5) Oct 377-379 Wa
Ancylostoma caninum, thyroxine treatment significantly increased susceptibility of female (but not male) mice to infection, more hyperthyroid females died following infection than control females

Hormones
Bhatnagar AK; Gupta AN; Srivastava RC
1980 Ztschr Parasitenk 64 (1) 77-84 Wa
Ceylonocotyle scoliocoelium, histology and cytochemistry of neuroendocrine components, possible functional significance

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Trichomonas vaginalis, human vaginal infections may be inhibited by use of oral contraceptives

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Toxoplasma gondii-infected mice treated with cortisone, acceleration in development of Toxoplasma cysts in tissue, suppression of macrophage supply into peritoneal cavity, most mice that died were males

Hormones
Dean JH et al
1980 J Reticuloendothel Soc 28 (6) Dec 571-583 Wm
adult exposure of female mice to therapeutic levels of diethylstilbestrol can severely impair host resistance to syngeneic tumor cells, Listeria, endotoxin, and Trichinella spiralis

Hormones
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1981 Biochem and Biophys Research Commun 101 (1) July 16 112-117 Wa
Ascaris suum, evidence that serotonin may be functioning as hormone which regulates glycogen metabolism in parasite muscle (functions by raising cyclic AMP levels, activating phosphorylase, and inactivating glycogen synthase)

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Douvres FW; Thompson MJ; Robbins WE
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Hormones
Dutra M et al
1979 Rev Inst Med Trop S Paulo 21 (2) Mar-Apr 99-105 Wa
S[chistosoma] mansoni, patients with glomerulopathy, effects of corticosteroids, cyclophosfamides and anti-schistosomal drugs

Hormones
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1980 Middle East J Anaesth 5 (6) Feb 407-416 Wm
bilharzial vs. non-bilharzial individuals, effects of stress of various anaesthesias and of surgery, changes in hormonal levels

Hormones
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Trypanosoma brucei brucei, tyrosine aminotransferase activity, activation by cortisol, reactivation by puromycin

Hormones
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1975 Ain Shams Med J 26 (1) Jan 81-89 Wm
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1978 Poultry Science 57 (6) Nov 1728-1732 Wa
Ornithonyssus sylviarum, Leghorn roosters (exper.), effect of corticosterone and inbred antibody competency on mite population development, antibody competency alone probably was not responsible for observed differences

Hormones
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Amblyomma hebraeum, hormonal control of salivary gland degeneration

Hormones
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Trichostrongylus colubriformis-infected sheep, kinetics of thyroxine and inorganic iodine metabolism, thyroid gland histology, thyroid response to thyroid stimulating hormone

Hormones
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Schistosoma mansoni, mice, rats, effects of host endocrine gland removal on host 'permissiveness', concluded that host hormones contribute to nonpermissive status of rats to infection

Hormones
Kozakiewicz B
1980 Med Wet 36 (12) Dec 726-727 Wa
Echinococcus granulosus, pigs (exper.), influence of various sexual hormones on development, survival, and fertility of echinococci

Hormones
Leahy MG; Booth KS
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Argas persicus, Ornithodoros coriaceus, and Rhipicephalus sanguineus, induction of sterility and ecdysis failure by precocene 2 (synthetic anti-juvenile hormone), application of juvenile hormone did not reverse effects, effective doses of precocene 2 are too high for consideration as control agent

Hormones
Long RG et al
1980 Gut 21 (9) Sept 772-777 Wm
Trypanosoma cruzi, patients with severe bowel disease, response of plasma pancreatic and gastrointestinal hormones and growth hormone to oral and intravenous glucose and insulin hypoglycaemia vs. normal responses

Hormones
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1979 J Egypt Pub Health Ass 54 (1-2) 23-34 Wm
Trichinella spiralis-infected rats, increased adrenal gland secretions during peak severity of pathological lesions in intestine and diaphragm, application to therapeutic use of steroids

Hormones
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Toxoplasma gondii, humans, changes in antibody titers during pregnancy determined using the dye test, skin test, and complement fixation test, diagnostic value of titer changes and correlations with choriogonadatrophic hormones excreted in urine

Hormones
Nair KV; Gillon J; Ferguson A
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Giardia muris-infected mice, study of effects of corticosteroid therapy in intestinal infection shows that such treatment leads to recrudescence of occult infection, implication for human intestinal protozoan infections

Hormones
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Vairimorpha necatrix in Heliothis virescens (exper.), use of dietary methoprene increases period of host susceptibility to microsporidiosis and spore yields

Hormones
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Hymenolepis microstoma, growth in intact, gonadectomized, and sham-operated mice (exper.), sex of host, found that gonads of male hosts do not affect worm growth until 12th day post-infection

Hormones
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Spirometra, effects of 'sparganum growth factor' on rodents using 'mansonoides' vs. 'non-mansonoides' forms

Hormones
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malaria and measles infected children, inappropriate secretion of antidiuretic hormones, importance of evaluating for this syndrome as part of disease therapy

Hormones
Panfilova IM
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Ixodes persulcatus females, changes in neuro-endocrine system and amounts of secretory substances during feeding

Hormones
Panfilova IM
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Ixodes persulcatus, feeding females, inhibition of growth and oogenesis related to absence of fertilization, disturbances in activity of synganglion neurosecretory cells and lateral organs, dynamics of activity of different elements of neuro-endocrine system compared in feeding non-fertilized and fertilized females (these changes in non-fertilized females considered an adaptation to long wait for fertilization)

Hormones
Reddington JJ et al
1981 J Parasitol 67 (4) Aug 548-555 Wa
Trichinella spiralis, effects of host sex, host gonadectomy, and host sex hormones on number of adult parasites in host small intestine, rate of in vitro larvaposition by adult female worms, and level of muscle parasitism in mice

Hormones
Rizk AM et al
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bilharzial liver disease at different stages, human males, serum levels of estrogens

Hormones
Rogers WP
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Haemonchus contortus, insect juvenile hormone, action on hatching of eggs, role in development of infective and non-infective stages

Hormones
Sanchez G; Lockwood J; Chavez R
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Trypanosoma brucei appears to possess hormone-like substance that stimulates production of glucose from liver glycogen

Hormones
Sluiters JF
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Trichobilharzia ocellata, development in Lymnaea stagnalis (exper.), effects of infection on host reproductive system

Hormones
Symons LEA; Hennessy DR
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Trichostrongylus colubriformis-infected sheep, anorexia may be due to or mediated by higher plasma concentrations of cholecystokinin

Hormones
Vieira RA
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 361-381 W■
Ancylostoma caninum, Rattus norvegicus (exper.) simultaneously treated with prednisolone trimethylacetate and infected with parasite larvae, host natural resistance apparently not affected by hormone therapy as no adult parasites were found at necropsy

Host finding See Host perception by parasites

Host-parasite relationships [See also Adaptation]

Host-parasite relationships
Anderson RM
1979 20 Symposium Brit Ecol Soc 245-281 Wa
parasites, influence on host survival and reproduction (direct effects, increased susceptibility to predation, reduced competitive fitness), dynamical properties of persistent and transient infection within separate population models, host nutritional status and impact of infection

Host-parasite relationships
Becker W
1980 Ztschr Parasitenk 63 (2) 101-111 Wa
Schistosoma mansoni, metabolic interrelationships with infected Biomphalaria glabrata, review

Host-parasite relationships
Brown KN
1976 Receptors and Recognition s A 1 119-175 Wa
Trypanosoma brucei, Plasmodium spp., Schistosoma mansoni, Hymenolepis nana, Onchocerca volvulus, specificity in host-parasite relationship, reactions which occur at host-parasite interface, review

Host-parasite relationships
Camus D; Capron A
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immunology of digestive parasitoses, recent advances, aspects of immunological mechanisms controlling host-parasite relationships

Host-parasite relationships
Carey AB; Krinsky WL; Main AJ
1980 J Med Entom 17 (1) Jan 31 89-99 Wa
ticks of mammals; abundance, seasonality, geographic distribution, host-tick and tick-tick interactions of Ixodes dammini and Dermacentor variabilis; relationship between I. dammini and public health: south-central Connecticut, USA

Host-parasite relationships
Crompton DWT et al
1981 Internat J Parasitol 11 (6) Dec 457-461 Wa
Moniliformis dubius-infected male and female rats fed on diets containing growth-limiting amounts of fructose, food intake, weight gain, and blood sugar; numbers, sex ratio, dry weight, and location of parasites in small intestine of hosts; results can be interpreted to suggest competition for dietary fructose between parasite and host

Host-parasite relationships
Doube BM
1979 Austral J Ecol 4 (4) Dec 345-360 Wa
Ixodes holocyclus on small mammals and birds, seasonal abundance and host relationships in different habitats, detachment behavior and survival of engorged ticks, host resistance: southeastern Queensland

Host-parasite relationships
Gaevskaia AV; Nigmatullin ChM
1981 Biol Nauki Min Vyssh i Sredn Spetsial Obrazovan SSSR (205) (1) 52-57 Wa
helminths of Sthenoteuthis pteropus, intensity and extensiveness of infection, synchronization of trophic and parasitological relationships of host, role of host in helminth developmental cycles: tropical Atlantic

Host-parasite relationships
Gass RF
1977 Acta Trop 34 (2) June 127-140 Wa
Plasmodium gallinaceum in Aedes aegypti given 2 consecutive blood meals, oocyst production inhibited or enhanced depending on timing of blood meals, results explained by action of host trypsin-like proteases on parasites, plasmodia 0-10 hours after blood meal are more sensitive to enzymes than later stages of parasite, suggests developmental adaptation of parasite to host's digestive processes

Host-parasite relationships
Kassai T
1979 Ang Parasitol 20 (3) Sept 123-131 Wa
immunological aspects of phylogeny of host-parasite relationships, review

Host-parasite relationships
Kuris AM; Blaustein AR; Alio JJ
1980 Am Naturalist 116 (4) Oct 570-586 Wa
criticisms of application of island biogeography theory to situation involving animal hosts as islands for parasites

Host-parasite relationships
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 15 (3) Mar 23 187-217 Wa
Tunga monositus on Mus musculus (skin of ear pinna) (exper.), detailed description of feeding behavior and diet, histological study of embedded fleas, development of female on host, dependence on host inflammatory and repair response for survival and reproduction

Host-parasite relationships
Lavoipierre MMJ; Radovsky FJ; Budwiser PD
1979 J Med Entom 16 (2) Sept 28 85-94 Wa
Tunga monositus on laboratory Peromyscus maniculatus (ear pinna) wild-caught from 2 localities, feeding behavior, cell intake, and neosomy, histological examination of sequential serial sections, comparison with findings from Mus musculus

Host-parasite relationships
Levin S; Pimentel D
1981 Am Naturalist 117 (3) Mar 308-315 Wa
group selection of intermediate rates of increase in parasite-host systems, mathematical model

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Host-parasite relationships
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Host-parasite relationships
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Host-parasite relationships
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Host-parasite relationships
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1980 Am Naturalist 116 (1) July 77-91 Wa
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Host, Paratenic See Vectors, Mechanical

Host perception by parasites [See also Attractants; Taxis]

Host perception by parasites
Bartoli P
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Host perception by parasites
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Host perception by parasites
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Host perception by parasites
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Host perception by parasites
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Host perception by parasites
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Keshavarz-Valian H; Nollen PM; Maynard G
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Host perception by parasites
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Host perception by parasites
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Host perception by parasites
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Host perception by parasites
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Host resistance See Resistance, Host

Host specificity See Specificity, Host

Host, Transport See Vectors, Mechanical

Humidity [See also Climate and weather; Desiccation; Water]

Humidity
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1981 Indian J Animal Sc 51 (4) Apr 459-465 Wa
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Humidity
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1981 Am J Vet Research 42 (10) Oct 1782-1784 Wa
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Humidity
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Humidity
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Humidity
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Haq N; Reisen WK; Aslamkhan M
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Humidity
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1981 Internat J Parasitol 11 (2) Apr 169-175 Wa
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Humidity
Heydorn AO
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Humidity
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Humidity
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Humidity
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Humidity
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Coccidia in trade cattle, sheep, and goats, seasonal incidence in relation to temperature, humidity, and rainfall: Nigeria

Humidity
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Humidity
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Humidity
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parasites, calves, coproscopic and hematoscopic survey, mortality rate in relation to host age and season of year: nord de la Cote-d'Ivoire

Humidity
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Amblyomma hebraeum, Rhipicephalus appendiculatus, R. evertsi evertsi, larvae, nymphs, adults, vertical and horizontal migration under field conditions, relationship among dispersal patterns, ecological factors (wind, humidity), and methods commonly used in studying tick populations

Humidity
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Humidity
Schowalter DB et al
1980 J Wildlife Dis 16 (2) Apr 189-194 Wa
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Humidity
Short NJ; Norval RAI
1981 Trop Animal Health and Prod 13 (1) Feb 19-26 Wa
Rhipicephalus appendiculatus (vector of Theileria parva), seasonal occurrence, regulatory roles of different climatic factors (humidity, temperatures, daylength), simple model which can be used to predict seasonal occurrence of adults: Africa

Humidity
Short NJ; Norval RAI
1981 J Parasitol 67 (1) Feb 77-84 Wa
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Humidity
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1981 J Med Entom 18 (1) Feb 78-83 Wa
Ctenocephalides felis, cats (exper.), influence of temperature and humidity on survival, development, and adult longevity

Humidity
Siuda K
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Argas polonicus, effect of temperature and relative humidity on embryonic development and egg hatch, laboratory study

Humidity
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1977 Indian J Helminth 27 (1) Mar 1975 11-16 Issued Mar 19 Wa
Haemonchus contortus in abomasums of goats, seasonal worm burden, incidence, intensity, temperature, and humidity: abattoirs at Ludhiana

Humidity
Subbotin NF; Karelin ST
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Humidity
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1975 Parazitologiia Leningrad 9 (4) July-Aug 354-358 Wa
Ctenophthalmus wladimiri, duration of survival under laboratory conditions of various temperatures and humidities

Humidity
Tarry DW
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Humidity
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gastro-intestinal nematodes, effect of temperature and moisture on survival of eggs and infective larvae in goat faeces, field and laboratory experiments: Dehra Dun district, India

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Vinayak VK; Chitkara NL; Chhuttani PN
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1980 Science (4440) 208 Apr 11 194-196 Wa
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Hybridization
Gabaldon A; Ulloa G
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 501-507 Wa
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Hybridization
Howell MJ
1981 Internat J Parasitol 11 (3) June 235-242 Wa
Fasciola hepatica, formation of hybrid cells between liver fluke cells and rat fibroblast cell line, hypoxanthine-guanine phosphoribosyl transferase activity in hybrids was of F. hepatica rather than rat origin, possible approach to production of helminth antigens in vitro

Hybridization
Khalil GM; Hoogstraal H; Oliver JH jr
1980 Internat J Parasitol 10 (4) Aug 253-259 Wa
Argas arboreus, A. robertsi, experimental cross-breeding, results suggest both genetic and cytoplasmic incompatibility between the 2 species

Hybridization
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Plasmodium yoelii yoelii, Plasmodium yoelii nigeriensis, new electrophoretic variants of adenosine deaminase which differentiate these 2 subspecies, genetic analysis of crosses between these 2 subspecies

Hybridization
Le Jambre LF
1981 Internat J Parasitol 11 (4) Aug 323-330 Wa
Haemonchus contortus from Louisiana, H. contortus cayugensis, H. placei, hybridization, fertility and percent developing to 3rd stage, ability to develop at 11 and 13°C, vulvar morph types, meiosis

Hybridization
Le Jambre LF; Royal WM
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Haemonchus contortus, H. placei, meiotic abnormalities in backcross lines of hybrid Haemonchus

Hybridization
Tait A
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Trypanosoma brucei brucei, series of isolates screened for electrophoretic variation in 19 enzymes, strong evidence that trypanosomes are diploid and undergo random mating and recombination

Hybridization
Thompson GD et al
1981 Experientia 37 (2) Feb 15 127-128 Wa
Boophilus annulatus, B. microplus, male offspring resulting from interspecific crosses are sterile, hybrid females produce sterile sons through 3 backcross generations, sustained infertility of hybrid males may provide mechanism that could be utilized in control program

Hybridization
Wright CA; Ross GC
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 326-332 Wa
Schistosoma haematobium, S. mattheei, laboratory-bred hybrids, natural hybrids from human infections in Transvaal, biological features, identification by isoelectric focusing of enzymes, possible practical implications

Hybridomas See Immunity, Monoclonal antibodies

Hydrogen ion concentration
Christensen NO; Frandsen F; Roushdy MZ
1980 Ztschr Parasitenk 64 (1) 47-63 Wa
Echinostoma liei, influence of various physico-chemical environmental conditions on egg hatchability; miracidial host-finding capacity and level of parasitisation in Biomphalaria glabrata, susceptibility of different snails to infection, cercarial and metacercarial infectivity in relation to some first and second intermediate host-related factors, cercarial shedding, metacercarial longevity

Hydrogen ion concentration
Eiler H et al
1981 Am J Vet Research 42 (3) Mar 498-502 Wa
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Hydrogen ion concentration
de Groot ER et al
1980 Immunol Commun 9 (5) 515-528 Wm
Crithidia luciliae, high-avidity human antibody to double-stranded DNA (dsDNA) could be virtually completely dissociated from kinetoplast dsDNA at pH 12 and low-avidity antibody at pH 11

Hydrogen ion concentration
Gupta V; Agarwal SK
1979 Indian J Helminth 29 (1-2) Mar-Sept 1977 93-103 Issued Feb 28 Wa
Gastrothylax crumenifer, in vitro survival in 5 basic salt solutions and in presence of simple carbohydrates, effect of pH, absorption of carbohydrates through cuticle under aerobic conditions

Hydrogen ion concentration
Jarroll EL; Bingham AK; Meyer EA
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Hydrogen ion concentration
Kobiler D; Mirelman D
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Hydrogen ion concentration
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Onchocerca volvulus, in vitro effect of diethylcarbamazine on motility and survival of microfilariae; preliminary studies include information on effect of pH on microfilarial survival

Hydrogen ion concentration
Lutz PL; Iversen ES; Tocci PM
1981 J Parasitol 67 (2) Apr 280-281 Wa
Hirudinella ventricosa, protonephridial fluid, pH, chloride ion concentration, osmotic pressure, amino acid composition

Hydrogen ion concentration
Osuna Carrillo A et al
1977 Rev Iber Parasitol 37 (3-4) July-Dec 365-374 Wa
Taenia hydatigena, in vitro evagination, effect of 4 pH values and 3 different dissolved $O_2$ tensions

Hydrogen ion concentration
Ouhelli H et al
1979 Rev Elevage et Med Vet Pays Trop 32 (4) 347-352 Wa
parasites of horses, distribution in stomach, relationship to inter-specific interactions and to pH: region de Settat (Maroc)

Hydrogen ion concentration
Ramajo Martin V
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 251-260 Wa
Schistosoma bovis miracidia, effect of temperature and pH on survival and activity, application to transmission dynamics: Salamanca province, Spain

Hydrogen ion concentration
Weik SMK; Weik RR; John DT
1980 Proc Helminth Soc Washington 47 (2) July 270-272 Issued Aug 25 Wa
Naegleria fowleri, N. gruberi, effect of inoculum size and pH on growth in vitro

Hygiene See Sanitation and hygiene

Hyperparasitism
Canning EU; Olson AC jr
1980 J Parasitol 66 (1) Feb 154-159 Wa
Nosema lepocreadii sp. n. hyperparasitic in Lepocreadium manteri (vitelline system) from Leuresthes tenuis (gut), prevalence and site of infection, development: San Diego Co., California

Hyperparasitism
Costa CAF; Bradley RE
1980 J Invert Path 35 (2) Mar 175-181 Wa
Nosema algerae, a mosquito pathogen, experimental hyperparasitism of Fasciola hepatica in Lymnaea cubensis; results seem to question the host range as a factor in the taxonomy of microsporidia

Hyperparasitism
Freymuller E; Camargo EP
1981 J Protozool 28 (2) May 175-182 Wa
trypanosomatids with and without endosymbionts, ultrastructural differences (intraflagellar structure, peripheric mitochondrial branching, kinetoplast DNA fibrils)

Hyperparasitism
Fukuda T; Yamamoto S
1981 Japan J Med Sc and Biol 34 (2) Apr 103-107 Wa
Stellantchasmus falcatus, neorickettsia-like organism isolated from metacercariae

Hyperparasitism
Goetz P; Boman A; Boman HG
1981 Proc Royal Soc London Biol Sc (1188) 212 July 14 333-350 Wa
Neoaplectana carpocapsae and its associated bacterium in Hyalophora cecropia (exper.), symbiotic relationship between nematode and bacteria and its survival value against induced insect immunity

Hyperparasitism
Kaya HK; Hara AH
1980 J Invert Path 36 (3) Nov 389-393 Wa
Neoaplectana carpocapsae and its associated bacterium, infectivity to 3 species of lepidopterous pupae

Hyperparasitism
Kritscher E
1980 Ann Naturh Mus Wien 83 1979 641-650 Issued Dec Wa
Acanthocephalus lucii found attached to proglottids of Proteocephalus macrocephalus in Anguilla anguilla (intestine), case of pseudohyperparasitism: Neusiedlersee

Hyperparasitism
Lai PF; Canning EU
1980 Internat J Parasitol 10 (4) Aug 293-301 Wa
Nosema algerae derived from Anopheles stephensi, replication in Pieris brassicae, susceptibility of Schistosoma mansoni to infection in relation to spore dose and age of trematodes, effect of infection on cercaria production, histology

Hyperparasitism
Lewis JW; Ball SJ
1980 J Parasitol 66 (6) Dec 948-953 Issued May 6 1981 Wa
Trypanosoma cobitis in Hemiclepsis marginata, ultrastructure of epimastigotes, presence of bacteria-like bodies in cytoplasm

Hyperparasitism
Lewis JW; Ball SJ
1981 Ann Trop Med and Parasitol 75 (5) Oct 533-538 Wm
Trypanosoma cobitis epimastigotes in culture, ultrastructure, occurrence of micro-organisms in cytoplasm

Hyperparasitism
Lewis JW; Ball SJ
1981 Internat J Parasitol 11 (2) Apr 121-125 Wa
Trypanosoma cobitis, presence of bacteria-like micro-organisms in all stages of life cycle

Hyperparasitism
LoVerde PT; Amento C; Higashi GI
1980 J Infect Dis 141 (2) Feb 177-185 Wa
Salmonella typhimurium, in vitro association with 3 human Schistosoma spp., sex of worms, mechanism of interaction between Salmonella and surface tegument of Schistosoma, scanning electron microscopy

Hyperparasitism
Luetzen J; Nielsen K
1975 Vidensk Medd Dansk Naturh Forening 138 Dec 171-199 Wa
Echineulima spp., sea urchins, mode of attachment, structure of alimentary tract, proboscideal movements and feeding, reproductive organs, oviposition, possible hermaphroditism, sporozoans found in E. mittrei (mantle and digestive glands)

Hyperparasitism
Olson AC jr
1978 Proc Helminth Soc Washington 45 (2) July 155-157 Issued Aug 30 Wa
Lepocreadium manteri sp. n., hyperparasitized by unidentified microsporidan: San Diego Bay, San Diego Co., California

Hyperparasitism
Owczarzak A; Stibbs HH; Bayne CJ
1980 J Invert Path 35 (1) Jan 26-33 Wa
Schistosoma mansoni mother sporocysts destroyed in vitro by penetrating amoebae, Nuclearia sp., isolated from Biomphalaria glabrata, ultrastructural study, possible role in snail resistance to S. mansoni

Hyperparasitism
Payne WL et al
1980 J Parasitol 66 (1) Feb 150-153 Wa
Sulcascaris sp. and its protozoan hyperparasite Urosporidium spisuli surveyed in Spisula solidissima and in processed clam products (that may also contain meat of Artica islandica), decrease in nematode contamination of clams and in hyperparasitism compared to previous surveys: U.S. Atlantic coast

Hyperparasitism
Poinar GO jr; Hess RT; Cole A
1980 Intervirology 14 (5-6) 316-320 Wa
Mermithidae, iridovirus in tissues of nematode parasitic in Porcellio scaber and Armadillidium vulgare, first report of known virus replicating in a nematode: California

Hyperparasitism
Smit FGAM
1978 Entom Month Mag (1356-1359) 113 May-Aug 1977 155 Issued Sept 11 Wa
Palaeopsylla soricis, presence of undescribed tylenchoid and Hymenolepis scutigera in abdominal cavity: Wiltshire, England

**Hyperparasitism**
Wright KA
1979 Proc Helminth Soc Washington 46 (2) July 213-223 Issued Aug 14 Wa
Rhigonema infecta in Narceus annularis (ileum), associated with fungus Enterobryus elegans, attachment of fungus holdfast to millipede and nematode cuticles, scanning and transmission electron microscopy; fungus only rarely found on Johnstonia sp. and Aorurus sp. in N. annularis (posterior hindgut); extensive bacterial flora present: Georgian Bay, Ontario

Hypersensitivity, Delayed See Immunity, Cell-mediated

Hypersensitivity, Immediate See Immunity, Allergy

Hypobiosis See Development

Icterus See Jaundice

Identification See Diagnosis

Illumination See Light

Immobilization test See Immunity, Immobilization

Immune complexes See Immunity, Immune complexes

Immunity [See also Resistance, Host]

Immunity
Abbas AK; James SL; Sher A
1981 J Immunol 126 (3) Mar 1022-1024 Wm
Schistosoma mansoni, immunogenicity of haptenated skin-stage vs. lung-stage schistosomula in vitro, observations suggest that maturation of schistosomula in vivo is accompanied by decline in their immunogenicity, may be adaptive mechanism to promote survival in host environment

Immunity
Abdel Wahab KSE et al
1978 J Egypt Med Ass 61 (3-4) 263-283 Wm
Schistosoma mansoni-infected mice superinfected with one or more Coxsackie type virus, changes in induced pathology and in mouse spleen lymphocyte responses (measured by lymphocyte migration inhibition test)

Immunity
Abouzkham AA; Buttner A
1980 Ann Parasitol 55 (2) Mar-Apr 199-207 Wa
Schistosoma mansoni, mice, development of hepatic granulomas in challenge infections, effect of time between initial and challenge infections, effect of size of initial infecting dose

Immunity
Ackerman S et al
1981 J Parasitol 67 (5) Oct 737-740 Wa
Dermacentor variabilis, host albumin, transferrin, and IgG were detectable in hemolymph of ticks after feeding, IgG retained antibody activity

Immunity
Ackerman S; Floyd M; Sonenshine DE
1980 J Med Entom 17 (5) Sept 30 391-397 Wa
Dermacentor variabilis-infested Rattus norvegicus (exper.), immunization with extracts derived from whole ticks vs. tick midguts, effect on tick responses (temporal dynamics of attachment/detachment; body weights of engorged females; egg production and egg hatching) indicates resistance may be functioning internally within the tick, not in host tissues at bite site

Immunity
Ackerman SJ et al
1981 J Immunol 127 (3) Sept 1093-1098 Wm
Wuchereria bancrofti, human, eosinophilia and elevated serum levels of eosinophil major basic protein and Charcot-Leyden crystal protein after treatment with diethylcarbamazine

Immunity
Ackers JP
1979 Immunol Aspects Infect Dis 77-115 Wa
normal immune responses to protozoal infections, review

Immunity
Adams DB
1981 Internat J Parasitol 11 (4) Aug 309-317 Wa
Haemonchus contortus, sheep during primary infection and during recovery from infection which followed anthelmintic treatment, changes in blood leukocytes, bone marrow, and lymphoid organs, in vitro reactivity of blood lymphocytes to parasite antigen, haemagglutinating antibody response to rat erythrocytes, immunological basis for selective unresponsiveness to parasite antigen has yet to be clarified

Immunity
Adams DB; Beh KJ
1981 Internat J Parasitol 11 (5) Oct 381-386 Wa
Haemonchus contortus, sheep undergoing sequence of primary, secondary, then tertiary infection, induction of acquired immunity, haemagglutinating antibody titres

Immunity
Adams DB; Merritt GC; Cripps AW
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 167-177 Wa
Trichostrongylus colubriformis, immune sheep undergoing challenge infection, intestinal lymph and local antibody and immunoglobulin response, failure to transfer passive protection with either immune serum or immune intestinal lymph

Immunity
Adams DB; Rothwell TLW
1980 Cellular Immunol 55 (1) Sept 15 1-11 Wa
Trichostrongylus colubriformis, guinea pigs, adoptive transfer of protective immunity, results suggest that both recirculating lymphocytes and sessile elements in lymph nodes are concerned with immunological memory for the parasite

Immunity
Aggarwal A et al
1980 Ann Trop Med and Parasitol 74 (3) June 369-371 Wa
Giardia lamblia, corticosteroid/irradiation-treated immune-depressed mice were more susceptible to infection which indicates presumed role of cellular and humoral immunity in giardiasis

Immunity
Ahmed JS et al
1981 Tropenmed u Parasitol 32 (1) Mar 55-57 Wa
Trypanosoma b. brucei, T. congolense, influence of infection on formation of E, EA, and EAC rosettes with peripheral blood lymphocytes from calves

Immunity
Aikat BK et al
1979 Indian J Med Research 70 Oct 583-591 Wa
kala-azar, humans, immunological responses: Bihar

Immunity
Aikawa M et al
1981 J Immunol 126 (6) June 2494-2495 Wm
Plasmodium berghei, protective antigen of sporozoites is a differentiation antigen

Immunity
Aikawa M et al
1981 J Protozool 28 (3) Aug 383-388 Wa
Plasmodium gallinaceum, interaction of monoclonal antibodies with gametes, electron microscopic study

Immunity
Akiyama T et al
1981 J Dermat 8 (1) Feb 43-46 Wm
Onchocerca volvulus, increased levels of IgG and IgE in infected Guatemalan patients, no differences found in IgA and IgM levels, quantitative determinations using laser immunoassay or radioimmunosorbent assay

Immunity
Albers GAA
1981 Mededel Landbouwhogeschool Wageningen 81 (1) 118 pp Wa
Cooperia oncophora, calves (exper.), genetic resistance to infection

Immunity
Albright JW; Albright JF
1981 Infect and Immun 33 (2) Aug 364-371 Wa
Trypanosoma musculi, various strains of inbred mice, differences in resistance to infection, analysis of possible mechanisms, concluded that variations in immune responsiveness to parasite antigens (probably not associated with H-2 complex and possibly in concert with variations in a non-immunological mechanism) are responsible

Immunity
Alcantara A; Brener Z
1978 Acta Trop 35 (3) Sept 209-219 Wa
Trypanosoma cruzi, Y vs. CL strain, uptake by and further development in mouse peritoneal macrophages, effect of opsonization

Immunity
Alexander J; Phillips RS
1980 Exper Parasitol 49 (1) Feb 34-40 Wa
Leishmania mexicana, L. tropica major, mice, adoptive transfer of immunity

Immunity
Ali-Khan Z; Siboo R
1980 Ztschr Parasitenk 62 (3) 255-265 Wa
Echinococcus multilocularis, mice infected with subcutaneous alveolar hydatid cysts, intense plasmacellular infiltration in paracortex of draining lymph nodes

Immunity
Al Karmi TO; Faubert GM
1981 J Parasitol 67 (5) Oct 685-691 Wa
Trichinella spiralis, T. pseudospiralis, intra muscular larvae, morphology and mobility studied by scanning electron microscopy, closed circuit television, and video tape recording, absence of capsule around or host cellular reaction to T. pseudospiralis

Immunity
Al-Khalidi NW; Weisbrode SE; Dubey JP
1980 Am J Vet Research 41 (9) Sept 1549-1551 Wa
Toxoplasma gondii, ponies (exper.), pathogenicity, serologic responses, effect of corticosteroids, and distribution in various tissues

Immunity
Allan D et al
1981 Parasite Immunol 3 (2) Summer 137-142 Wa
Echinococcus granulosus equinus, BALB/c mice infected either by protoscolices or cyst-passage exhibit non-specific suppression that is capable of causing marked and significant suppression to sheep erythrocytes when their mesenteric lymph node cells are adoptively transferred but there is a significant decrease in numbers of Thy-1 cells in these MLNC transplants, possible function of Ly-2,3$^+$ cells not only as suppressor but as alloreactive cytotoxic cells discussed as possible autoimmune explanation for longevity of parasite within mouse model

Immunity
Allison AC et al
1979 Trop Dis Research Ser (1) 151-182 Wa
Babesia microti, mice, role of spleen in protection against infection, review

Immunity
Allison AC; Eugui EM
1981 Am J Path 102 (1) Jan 114-120 Wa
theileriosis, lymphoid organ changes in infected cattle, establishment of lymphoid cell lines containing parasites, humoral and cell-mediated immunity, symposium presentation

Immunity
Altaif KI; Al-Abbassy SN; Abboud HB
1980 Parasitology 80 (2) Apr 233-240 Wa
Haemonchus contortus, Awassi sheep, response to primary infection and subsequent challenge

Immunity
Andreassen J
1981 Parasitology 82 (4) July 153-159 Wa
Immunity to adult cestodes, Workshop Proceedings, 3. European Multicolloquium on Parasitology

Immunity
Andreassen J; Hopkins CA
1980 J Parasitol 66 (6) Dec 898-903 Issued May 6 1981 Wa
Hymenolepis diminuta, immunologically mediated rejection from rats

Immunity
Anosa VO
1980 Zentralbl Vet Med Reihe B 27 (3) 169-180 Wa
Trypanosoma brucei in splenectomised and intact mice (exper.), parasitaemia, plasma volumes, leucocyte and bone marrow cell counts, moribund state

Immunity
Anteunis A et al
1980 Compt Rend Acad Sc Paris 290 s D Sc Nat (14) Apr 14 979-981 Wa
Trichinella spiralis, ultrastructural study of destruction of new born larvae by normal peritoneal cells (eosinophils and macrophages) in presence of immune serum

Immunity
Anwar ARE; et al
1980 J Immunol 124 (3) Mar 1122-1129 Wm
Schistosoma mansoni, human eosinophil- and neutrophil-mediated killing of schistosomula in vitro, enhancement of complement-dependent damage by mast cell-derived mediators and formyl methionyl peptides

Immunity
Ardehali S et al
1980 Ann Trop Med and Parasitol 74 (4) Aug 439-445 Wa
cutaneous leishmaniasis, human, chronic (lupoid) form, clinical aspects, histology, skin tests with leishmanin and PPD, indirect fluorescent antibody and direct agglutination tests: Iran

Immunity
Aryanpour J; Hafizi A; Modabber F
1980 Infect and Immun 27 (3) Mar 1038-1040 Wa
Toxoplasma gondii-infected thymectomized, irradiated, and bone marrow-reconstituted (T-deprived) mice, antibody titers, lack of IgM suppression by IgG antibody

Immunity
Auriault C et al
1981 Cellular Immunol 62 (1) July 15 15-27 Wa
Schistosoma mansoni, interaction between macrophages and schistosomula: role of nonspecific IgG peptides or aggregates on modulation of beta-glucuronidase release and cytotoxicity against schistosomula, parasite proteolytic enzymes responsible for presence of inhibitory IgG peptides

Immunity
Auriault C et al
1981 Parasite Immunol 3 (1) Spring 33-44 Wa
Schistosoma mansoni, proteolytic cleavage of IgG bound to Fc receptor of schistosomula

Immunity
Aust-Kettis A; Sundqvist KG
1980 Scand J Immunol 12 (5) Nov 443-451 Wa
Entamoeba histolytica, redistribution and internalization of anti-amoeba antibodies at parasite surface, distinction between surface-bound and internalized antibodies

Immunity
Aust-Kettis A; Thorstensson R; Sundqvist KG
1981 Scand J Immunol 13 (5) 473-481 Wa
Entamoeba histolytica, fate of antibodies after binding to cell surface

Immunity
Bailenger J et al
1981 Ann Parasitol 56 (3) 317-327 Wa
Strongyloides ratti, rats, repeated infections, parasitemia and corticosteronemia

Immunity
Bailenger J; Chanraud JB; Cabannes A
1981 Ann Parasitol 56 (3) 329-338 Wa
Strongyloides ratti, rats, reinfection after spontaneous recovery, parasitemia and corticosteronemia

Immunity
Ballet JJ et al
1981 Infect and Immun 33 (3) Sept 758-762 Wa
Plasmodium falciparum in continuous cultures, parasite-derived mitogenic activity for human T cells

Immunity
Banks KL
1980 J Parasitol 66 (1) Feb 34-37 Wa
Trypanosoma congolense adhesion to host red blood cells followed by immune response to parasite may damage infected host by 'innocent bystander' mechanisms

Immunity
Bany J
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 95-104 Wa
Trichinella spiralis, T. pseudospiralis, antigenic similarities to host as reflection of host-parasite specificity, discussion of the endoparasite as a natural graft

Immunity
Barrabes A et al
1980 Ann Parasitol 55 (6) Nov-Dec 671-677 Wa
Schistosoma mansoni, castrated female hamsters, effect of administration of estradiol, testosterone, or progesterone on intensity of parasitism and on rate of circulating antibodies (indirect immunofluorescence), no relationship between level of serum antibodies and number of worms

Immunity
Barrabes A et al
1981 J Pharm Belg 36 (2) Mar-Apr 91-96 Wa
Schistosoma mansoni in golden hamsters (exper.), effects of 2 anti-estrogens (tamoxifene, clomifene) on intensity of infection and serum specific antibody levels, indirect immunofluorescence test

Immunity
Barriga OO
1980 J Parasitol 66 (5) Oct 730-734 Wa
Trichinella spiralis, responses of B-cells to mitogens and antigen in mice receiving isogenic splenocytes from animals treated with parasite extract, simultaneous stimulatory and inhibitory effects on immune system of recipients

Immunity
Bautista CR; Kreir JP
1980 Tropenmed u Parasitol 31 (3) Sept 313-324 Wa
Babesia microti, action of macrophages and immune serum on growth of parasites in short-term cultures

Immunity
Bawden MP et al
1979 Bull World Health Organ 57 suppl 1 205-209 Wa
Plasmodium berghei, rats, mice, vaccination with irradiated sporozoites, serological evaluation of the antigen and of antibody responses using indirect fluorescent antibody test

Immunity
Bazin H; et al
1980 J Immunol 124 (5) May 2373-2377 Wm
Schistosoma mansoni, rats, effect of neonatal injection of anti-μ antibodies on immunoglobulin levels, on in vitro cytotoxicity assays, on immunity to primary infection, and on immunity to reinfection

Immunity
Behbehani K; Pan SC; Unanue ER
1981 Clin Immunol and Immunopathol 19 (2) May 190-195 Wm
Trypanosoma cruzi-infected mice, marked increase in Ia-bearing macrophages, part of influx is mediated by immune T cells

Immunity
Behnke JM; Parish HA
1981 Parasite Immunol 3 (3) Autumn 249-259 Wm
Nematospiroides dubius, mice, passive transfer of immunity with immune serum (IS) or immune mesenteric lymph node cells (IMLNC), greater protection in mice which received both IS + IMLNC

Immunity
Behnke JM; Parish HA; Hagan P
1980 J Helminth 54 (3) Sept 173-182 Wa
Nematospiroides dubius, mice, course of primary infection with irradiated worms, male worms more susceptible to irradiation than females, worm survival related to extent of damage caused at time of irradiation but not dependent on host sex, number of worms inoculated, nor host immune response

Immunity
Bell RG; McGregor DD
1980 Infect and Immun 29 (1) July 186-193 Wa
Trichinella spiralis, parabiotic rats used to demonstrate requirement for 2 discrete stimuli for induction of intestinal rapid expulsion response: immunologically specific systemic component (induced by preadults); nonspecific local intestinal component (induced by adult trichinae or by Heligmosomoides polygyrus)

Immunity
Bell RG; McGregor DD
1980 Infect and Immun 29 (1) July 194-199 Wa
Trichinella spiralis, rats, coinduction of rapid expulsion response by using antigenic extracts of larvae and intestinal stimulation with unrelated parasite (Heligmosomoides polygyrus)

Immunity
Bender AP et al
1981 Vet Rec 108 (2) Jan 10 41 Wa
Dirofilaria immitis, allogenic spleen cells killed microfilariae of another dog whose spleen cells could not kill its own microfilariae, may indicate that some form of immunosuppression is required for maintenance of microfilaraemia; culture medium in which microfilariae maintained motility for 44 days and 3 hours

Immunity
Ben-Ismail R et al
1980 Vox Sanguinis 38 (3) Mar 165-168 Wa
fascioliasis, hydatidosis, humans, anti-$P_1$ allohemagglutinins, automated assay, IgM nature

Immunity
Bennett CE; Hughes DL; Harness E
1980 Parasite Immunol 2 (1) Spring 39-55 Wa
Fasciola hepatica, changes in tegument during killing of adult flukes surgically transferred to sensitized rats

Immunity
Bentley AG; Carlisle AS; Phillips SM
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 102-112 Wa
Schistosoma mansoni, rats, initial and challenge infections, cellular response in lungs and liver, ultrastructural analysis

Immunity
Bentley AG; Carlisle AS; Phillips SM
1981 Am J Trop Med and Hyg 30 (4) July 815-824 Wa
Schistosoma mansoni in resistant CDF rat and more susceptible BALB/c mouse, primary and challenge exposures, ultrastructural analysis of cellular response, inflammatory responses in skin

Immunity
Bernard S; Haase M; Guidot G
1980 Berl u Munchen Tierarztl Wchnschr 93 (24) Dec 15 482-485 Wa
trypanosomiasis, trypanotolerant and trypanosensitive cattle breeds, antibody survey using enzyme linked immunosorbent assay and indirect immunofluorescence, high percentage of serologically positive cattle does not correlate with results obtained by direct isolation of trypanosomes; ability of trypanotolerant breeds to limit number of parasites in blood stream cannot be correlated with the concentration of antibodies and must involve another unknown immune mechanism: Upper Volta

Immunity
Bhopale KK; Johri GN
1981 J Hyg Epidemiol Microbiol and Immunol 25 (1) 1-5 Wa
Hymenolepis nana, mice exposed to single and repeated low-level infections, stimulation of immunity

Immunity
Bhopale MK; Menon S; Kulkarni L
1980 J Helminth 54 (2) June 97-104 Wa
Necator americanus in infant rabbits, complete development, humoral antibody, leukocyte response, serum protein changes, suitable laboratory model

Immunity
Bickle Q et al
1980 Exper Parasitol 50 (2) Oct 222-232 Wa
Schistosoma mansoni, mice, influence of host's sex, age, and strain on resistance to reinfection

Immunity
Biggar RJ; Collins WE; Campbell CC
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 720-724 Wa
malaria, infants, frequency of transplacental malarial antibodies, their duration and protectiveness, clinical and serological response to primary infection, indirect immunofluorescent technique using antigens of Plasmodium falciparum, P. ovale, and P. malariae: Accra, Ghana

Immunity
Blackwell J; Freeman J; Bradley D
1980 Nature London (5742) 283 Jan 3 72-74 Wm
Leishmania donovani, mice, influence of H-2 complex on acquired resistance

Immunity
Bloom BR; Tanowitz H; Wittner M
1979 Immune Mech and Dis 69-100 Wm; Wa
mechanisms for escape of immune surveillance by parasites, review (old-time genetic engineering; antigenic variation; antigenic mimicry and concomitant immunity; learning to live in your macrophages; jamming the immune response; subversion of the immune system)

Immunity
Blum K; Cioli D
1981 Parasite Immunol 3 (1) Spring 13-24 Wa
Schistosoma mansoni, age-dependent susceptibility to immune elimination of schistosomula artificially introduced into preinfected mice

Immunity
Bos HJ; Leijendekker WJ; van den Eijk AA
1980 Exper Parasitol 50 (3) Dec 342-348 Wa
Entamoeba histolytica, analysis of cytotoxic antigen fraction, serum effects on contact-dependent and toxin-induced lysis of hamster kidney cell monolayers

Immunity
Bout D et al
1980 Parasitology 80 (2) Apr 247-256 Wa
Schistosoma mansoni, mice, humoral immune response, kinetics of classes and sub-classes of both total immunoglobulins and specific antibodies; use of original radio-immunoadsorbent test

Immunity
Bout DT et al
1981 J Immunol 127 (1) July 1-5 Wm
Schistosoma mansoni, in vitro killing of schistosomula by lymphokine-activated mouse macrophages

Immunity
Bradley DJ
1979 Acta Trop 36 (2) June 171-179 Wa
Leishmania donovani in susceptible and resistant mouse strains, parasite and host cell kinetics studied by radioisotope labelling

Immunity
Brandt de Oliveira, R; Voltarelli JC; Meneghelli UG
1981 Parasite Immunol 3 (2) Summer 165-169 Wa
Strongyloides stercoralis, patient with hypogammaglobulinaemia but with no abnormality in cell-mediated immunity, severe persistent infection in spite of repeated courses of thiabendazole therapy, first evidence of relevant role of humoral immune response in human defenses against strongyloidiasis

Immunity
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunity
Brener Z et al
1979 Trop Dis Research Ser (1) 121-135 Wa
Trypanosoma cruzi, human, role of spleen in Chagas' disease, review

Immunity
Breniere S; Viens P
1980 Canad J Microbiol 26 (9) Sept 1090-1095 Wa
Trypanosoma musculi, pattern of infection and antibody production in baby mice, transfer of immunity from mother mice to litter through milk, specific antibody classes involved

Immunity
Briaud M et al
1981 Lancet London (8242) 2 Aug 15 358 Wa
Giardia lamblia, humans, may be an important model for study of gut immunity involving both humoral and cellular immune response

Immunity
Brooks, BO; Reed ND
1980 Infect and Immun 27 (1) Jan 94-96 Wa
Trypanosoma musculi, absorption of ablastic activity from mouse serum by using parasite population rich in dividing forms

Immunity
Brooks BO; Reed ND
1981 Exper Parasitol 52 (1) Aug 49-52 Wa
Trypanosoma musculi, mice, development of passive hemagglutination technique to measure antibody, assay used to investigate specific antibody responses of nude vs. normal mice

Immunity
Brossard M et al
1981 Acta Trop 38 (1) Mar 55-70 Wa
Ornithodoros moubata, immune response of rabbits to repeated infestations by female ticks, appears to have little adverse effect on tick; demonstration of linear relationship between a) weight of unfed and engorged females and b) weight of engorged females and number of deposited eggs

Immunity
Brown AP; Burakoff SJ; Sher A
1980 J Immunol 124 (5) May 2516-2518 Wm
Schistosoma mansoni, specificity of alloreactive T lymphocytes that adhere to lung stage schistosomula

Immunity
Brown J; Smalley ME
1981 Clin and Exper Immunol 46 (1) Oct 106-109 W[illegible]
Plasmodium falciparum, polymorphonuclear neutrophil leucocytes (PMN) from children with acute infection significantly inhibited parasite growth in vitro in homologous and in non-immune serum, phagocytosis of schizonts was observed, PMN from uninfected children and uninfected adults had no effect on parasite growth

Immunity
Brown KN
1976 Receptors and Recognition s A 1 119-175 Wa
Trypanosoma brucei, Plasmodium spp., Schistosoma mansoni, Hymenolepis nana, Onchocerca volvulus, specificity in host-parasite relationship, reactions which occur at host-parasite interface, review

Immunity
Brown KN; Hills LA
1979 Bull World Health Organ 57 suppl 1 135-138 Wa
Plasmodium berghei, rats rendered anemic by phenylhydrazine treatment at time of immunization showed significantly greater protection than rats given antigen alone or phenylhydrazine alone, this enhanced response could be adoptively transferred with spleen cells, possibility that autoimmune responses to modified red cell antigens might be involved in protective immunity to malaria

Immunity
Brown KN; Hills LA
1981 Tropenmed u Parasitol 32 (2) June 67-72 Wa
Plasmodium berghei, protective immunity in mice and rats is significantly enhanced by phenylhydrazine treatment, this effect generates memory, can be transferred with spleen cells, and can have both enhancing and suppressive action on protective immune response in recipients, implications for role of erythrocyte destruction in protective immunity to malaria

Immunity
Brown PJ et al
1981 Vet Immunol and Immunopath 2 (2) Apr 189-198 Wa
Trichinella spiralis-infected thymectomised and normal mice, intestinal mast cell response, parasite kinetics

Immunity
Brown PJ; Charley-Poulain J; Pery P
1981 Vet Immunol and Immunopath 2 (4) Aug 343-352 Wa
Nippostrongylus brasiliensis, rats, infection and reinfection, production of bile IgA and serum IgG antibodies

Immunity
Brown SJ; Knapp FW
1981 Parasitology 83 (1) Aug 213-223 Wa
Amblyomma americanum on guinea pigs, effect of acquired host resistance on tick feeding, color, and survival ability, histological responses of resistant hosts to tick feeding

Immunity
Bueding E; Hawkins J; Cha YN
1981 Agents and Actions 11 (4) July 380-383 Wm
Schistosoma mansoni, mice, antischistosomal effects of cyclosporin A (new selective immunosuppressive agent), synergistic antischistosomal effects of cyclosporin A with subcurative dose of amoscanate, evidence suggests antischistosomal effects are mediated through stimulation of host mechanisms directed against parasite

Immunity
Burden DJ et al
1981 Parasitology 83 (2) Oct 249-252 Wa
Fasciola hepatica, rats, technique for study of gut penetration by juvenile flukes, involves ligation of small sections of small intestine and introduction of artificially excysted flukes into these gut loops, more flukes reached body cavity in naive rats than in resistant rats

Immunity
Burgess DE; Hanson WL
1980 Cellular Immunol 52 (1) June 176-186 Wa
Trypanosoma cruzi, mice, T-cell dependence of primary immune response, effects of depletion of T cells and Ig-bearing cells on immunological memory

Immunity
Bushara HO et al
1980 Am J Trop Med and Hyg 29 (3) May 442-451 Wa
Schistosoma bovis, cattle, experimental demonstration of naturally acquired resistance, gross clinical observations, body weights, hematology, pathophysiology, parasitology, histopathology: Kosti, Sudan

Immunity
Butterworth AE; Vadas MA
1979 Pract Tissue Culture Applic 287-307 Wa
Schistosoma mansoni, in vitro culture, applications in immunological studies, review

Immunity
Buxton D
1980 J Med Microbiol 13 (2) May 307-311 Wa
Toxoplasma gondii, congenitally athymic nude mice, infection with normally avirulent cyst-producing strain, much less able to cope with infection than their hirsute littermates

Immunity
Buxton D et al
1980 J Comp Path 90 (2) Apr 331-338 Wa
Toxoplasma gondii in mice infected with louping-ill virus may stimulate 2 independent mechanisms: increased susceptibility to the virus and antiviral activity, possibly mediated by toxoplasma stimulation of interferon production

Immunity
Cacciapuoti B et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31, 121-128 Wa
Toxoplasma, prevalence of infection in mothers in labor and their newborn babies vs. prevalence of antitoxoplasma antibodies (indirect immunofluorescence and modified complement fixation tests) in the same pairs, hypothesis of long-lasting passive congenital immunity to Toxoplasma infection: Bergamo, Italy

Immunity
Calderon J; Munoz ML; Acosta HM
1980 J Exper Med 151 (1) Jan 1 184-193 Wa
Entamoeba spp., surface redistribution and release of antibody-induced caps

Immunity
Callow LL; Kanhai GK; Vandenberghe A
1981 Trop Animal Health and Prod 13 (2) May 79-82 Wa
Babesia bovis, demonstration of close serological relationship between strains occurring in Australia and Mozambique using indirect fluorescent antibody test, practical implication is that Australian vaccine should protect cattle being introduced into southern Africa from B. bovis-free environments

Immunity
Campbell GH et al
1979 Bull World Health Organ 57 suppl 1 219-225 Wa
Plasmodium falciparum, microculture technique that can be used as in vitro assay for growth and reinvasion inhibition, inhibition of growth by Aotus serum, method should facilitate study of immune effector mechanisms

Immunity
Camus D; Capron A
1980 Acta Gastroenter Belg 43 (1-2) Jan-Feb 17-30 Wm
immunology of digestive parasitoses, recent advances, aspects of immunological mechanisms controlling host-parasite relationships

Immunity
Capron A et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 849-857 Wa
Schistosoma mansoni, rats, evidence for participation of anaphylactic antibodies in antibody-dependent cell-mediated cytotoxicity to schistosomes (IgE-macrophage interaction and IgG2a-eosinophil interaction), immune mechanisms regulating effector cell function, in vivo relevance, review

Immunity
Capron A; Dessaint JP; Capron M
1980 J Allergy and Clin Immunol 66 (2) Aug 91-96 Wa
Schistosoma mansoni, components of immune response to schistosomes, evidence for role of anaphylactic antibodies in regulation of effector cell function, regulation of immune effector mechanisms, review

Immunity
Capron M et al
1980 Parasite Immunol 2 (3) Autumn 223-235 Wa
Schistosoma mansoni, humans (from Burundi and Brazil), Erythrocebus patas, inverse relationship between cytotoxic antibodies and circulating schistosome antigens, probable transfer of cytotoxic antibodies from mother to child through placenta, possible mechanisms for inhibitory role of circulating immune complexes on complement-dependent cytotoxic activity

Immunity
Capron M et al
1981 Nature London (5793) 289 Jan 1-8 71-73 Wa
Schistosoma mansoni, demonstration that mast cell mediators like ECF-A (eosinophil chemotactic factor of anaphylaxis) tetrapeptides can not only promote eosinophil recruitment but also increase IgG-mediated eosinophil cytotoxicity against Schistosoma targets by enhancing expression of eosinophil IgG Fc receptors

Immunity
Caristan A et al
1980 Compt Rend Acad Sc Paris 290 s D Sc Nat (3) Jan 21 243-246 Wa
Trypanosoma musculi, liberation of hydrogen peroxide by peritoneal macrophages from infected mice, correlation with course of parasitemia, possible role in defense against parasite

Immunity
Carlier Y et al
1980 Am J Trop Med and Hyg 29 (1) Jan 74-81 Wa
Schistosoma mansoni-infected African parturients, their uninfected newborn children, infected men, and infected non-pregnant women, evaluation of circulating soluble antigens (CSA) by sandwich radioimmunoassay, of circulating antibodies (CAb) by indirect hemagglutination, and of immune complexes (CIC) by C1q binding test, results indicate probable transplacental transfer of CSA from mother to fetus and possible modulation of CSA level by specific CAb and CIC formation

Immunity
Carswell F et al
1981 Am J Clin Nutrition 34 (7) July 1292-1299 Wa
parasitic infections, nutritional status, and globulin titers in 2 populations of school children, parasites, notably malaria, are important determinants of serum antibodies in children in the tropics and mild undernutrition probably has little effect: Tanzania

Immunity
Caulfield JP et al
1980 J Cell Biol 86 (1) July 46-63 Wa
Schistosoma mansoni, adherence of human neutrophils and eosinophils to schistosomula preincubated with antischistosomular sera with or without complement, evidence for membrane fusion between cells and parasites

Immunity
Caulfield JP et al
1980 J Cell Biol 86 (1) July 64-76 Wa
Schistosoma mansoni, partial and complete detachment of neutrophils and eosinophils from schistosomula, evidence for establishment of continuity between fused and normal parasite membrane

Immunity
Centurier C; Weiland G; Seubert S
1981 Berl u Munchen Tierarztl Wchnschr 94 (11-12) June 1 238-241 Wa
Ornithodoros moubata, immunized and non-immunized rabbits, no differences in weight gain and weights of replete ticks, course of drop off, and drop off and moulting rate; reaginic antibodies to soluble salivary gland antigen not demonstrable by passive cutaneous anaphylaxis test; intensive antibody formation occurred in immunized and non-immunized rabbits, enzyme-linked immunosorbent assay; no immunity to 2nd nymphal instars developed

Immunity
Cesari IM; Polanco N
1980 Exper Parasitol 50 (2) Oct 195-200 Wa
Schistosoma mansoni, L-lysil residues in agglutination of mouse erythrocytes by acid phospholipids of parasite membranes, possible role for lysil-phospholipid interactions in host-parasite relationship

Immunity
Chandanani RE et al
1981 Indian J Med Research 73 Suppl Jan 45-49 Wa
Plasmodium knowlesi-infected rhesus monkeys, (acute, protracted and reinfection stages), changes in peripheral lymphocyte counts and their transformation

Immunity
Chandrasekaran B; Ghirnikar SN; Harinath BC
1980 Indian J Exper Biol 18 (10) Oct 1179-1180 Wa
Wuchereria bancrofti, effect of diethylcarbamazine and diethylcarbamazine-N-oxide on microfilariae in vitro in presence of immune sera and leukocytes

Immunity
Chang KP
1981 Am J Trop Med and Hyg 30 (2) Mar 334-339 Wa
Leishmania donovani, antibody-mediated inhibition of phagocytosis in amastigote-human phagocyte interactions in vitro

Immunity
Chapman CB; Rajasekariah GR; Mitchell GF
1981 Am J Trop Med and Hyg 30 (5) Sept 1039-1042 Wa
Fasciola hepatica, mice and rats dosed with infective metacercariae of different single snail-derived clones and challenged with same or different clonal parasites, no better resistance seen with parasites of homologous clone than with heterologous clone challenge

Immunity
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Immunity
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Immunity
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Immunity
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1979 J Egypt Soc Parasitol 9 (2) Dec 505-540 Wa
infected snail hepatopancreas antigen, for active immunization against Schistosoma mansoni, with new records of abnormal morphogenesis and orientation mechanism among recovered worms

Immunity
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1981 Ann Trop Med and Parasitol 75 (3) June 347-351 Wa
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Immunity
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1980 Lab Animals 14 (3) July 189-192 Wa
Encephalitozoon cuniculi, course of infection in immunodeficient vs. immunocompetent mice, IgG and IgM antibody response, histopathology

Immunity
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Schistosoma japonicum, mice, dynamics of antigen- and mitogen-induced responses, in vitro comparison between hepatic granulomas and splenic cells, kinetics recall spontaneous modulation of various clinical and pathologic parameters in natural disease

Immunity
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1981 Parasite Immunol 3 (3) Autumn 273-282 Wm
Trypanosoma brucei brucei-infected CBA/N mice (strain with B cell deficiency) vs. conventional mice, survival and level of parasitaemia, non-specific immune responses (polyclonal B cell activation in spleens, circulating immune complexes, immunosuppression)

Immunity
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Trypanosoma brucei, induction of T lymphocyte-dependent proliferative response specific for parasite

Immunity
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1979 Ztschr Parasitenk 61 (1) 73-82 Wa
Dipetalonema viteae third-stage larvae, development within micropore chambers implanted into jirds, hamsters, normal and immunized mice; antibody production against cuticle and common antigens by immunized mice led to inhibited third- and fourth-stage larvae, increased larval mortality, and impaired larval motility

Immunity
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1981 Parasitology 82 (2) Apr 281-286 Wa
Trichostrongylus colubriformis, guinea pigs, influence of genes within major histocompatibility complex on susceptibility to infection

Immunity
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Trypanosoma vivax, absence of host protein on surface coat

Immunity
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1981 Research Vet Sc 30 (1) Jan 53-56 Wa
Taenia hydatigena, sheep, duration of acquired immunity to embryo, reorganizing larva, and metacestode in absence of further egg infections, confirmation that original and superimposed cyst populations can coexist

Immunity
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1981 Infect and Immun 31 (2) Feb 571-573 Wa
Entamoeba histolytica, hamsters, effect of splenectomy on size of liver abscesses and metastatic foci

Immunity
Ghadirian E; Meerovitch E; Hartmann DP
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Entamoeba histolytica, hamsters, protection against amebic liver abscess by immunization with amebic antigen and some of its fractions, splenomegaly found to accompany development of abscesses (high degree of correlation between weights of abscesses and of spleens), no correlation between anti-amebic antibody titers and gross pathology

Immunity
Ghose AC et al
1980 Clin and Exper Immunol 40 (2) May 318-326 Wa
Leishmania donovani, 49 active kala-azar patients, IgA, IgG, IgM, and C3 levels, anti-leishmanial titres in indirect haemagglutination method, IgG and IgM class-specific antibody titres in enzyme-linked immunosorbent assay method, serodiagnostic potential of ELISA

Immunity
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Immunity
Gill BS et al
1980 Research Vet Sc 29 (1) July 93-97 Wa
Theileria annulata, susceptible calves, immunological relationships among 5 Indian strains (virulence, protection against homologous and heterologous challenges)

Immunity
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1980 Advances Exper Med and Biol 121A 307-313 Wa
Plasmodium berghei, use of yeast particulate glucan for causal prophylaxis of mouse malaria

Immunity
Gillin FD; Sher A
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Trichomonas vaginalis activates alternative complement pathway, this reaction is responsible for lysis of this parasite observed in fresh sera

Immunity
Gingrich RE
1980 Vet Parasitol 7 (3) Nov 243-254 Wa
Hypoderma lineatum, cattle, innate and acquired resistance, effects of host age, previous infestation, vitamin A deficiency, route and site of infestation

Immunity
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1980 Parasitology 80 (3) June 525-537 Wa
interaction of human eosinophils and neutrophils with inert antibody-coated non-phagocytosable surface is closely similar to their interaction with antibody-coated Schistosoma mansoni schistosomula, model for studying cell-mediated cytotoxic reactions

Immunity
Glickman LT; Dubey JP; Winslow LJ
1981 Parasitology 82 (3) June 383-387 Wa
Toxocara canis, ascarid-free dogs fed 100 or 10,000 eggs, serological response, enzyme-linked immunosorbent assay is sensitive and specific

Immunity
Goetz P; Boman A; Boman HG
1981 Proc Royal Soc London Biol Sc (1188) 212 July 14 333-350 Wa
Neoaplectana carpocapsae and its associated bacterium in Hyalophora cecropia (exper.), symbiotic relationship between nematode and bacteria and its survival value against induced insect immunity

Immunity
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1977 An Brasil Dermat 52 (3) July-Sept 325-332 Wm
leishmaniasis, humans, immunological aspects, Montenegro skin test characteristics, general review

Immunity
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1980 Rev Inst Med Trop S Paulo 22 (6) Nov-Dec 275-280 Wm
Trypanosoma cruzi, several strains, activity of immune sera on surface antigens

Immunity
Gonzalez Cappa SM et al
[1981] J Protozool 27 (4) Nov 1980 467-471 Issued Mar 11 Wa
Trypanosoma cruzi, mice immunized with whole homogenate or flagellar fraction, relation of humoral antibody response to protection evaluated by direct agglutination and indirect fluorescent antibody test as well as by lytic and neutralizing activity against blood trypomastigotes, histopathology

Immunity
Gorczynski RM et al
1981 Cellular Immunol 60 (2) May 15 367-375 Wa
Leishmania enrietti, macrophage subpopulations from uninfected and immune guinea pigs of different strains, ability to support parasite growth in vitro and to promote proliferation in lymphocytes of animals recovered from primary lesion, evidence that macrophage heterogeneity and Ir-gene control are factors involved in immune response of guinea pigs to infection with L. enrietti

Immunity
Gorini P et al
1978 Riv Emoterap ed Immunoematol 25 (5-6) 207-222 Wm
Toxoplasma gondii, rats, indications that immune response is both humoral and cellular

Immunity
Goven AJ; Moore GW
1980 Ztschr Parasitenk 61 (3) 265-269 Wa
Trichinella spiralis, congenitally athymic (nude) mice (exper.), absence of increased bone marrow eosinophilia or elevation in intestinal phospholipase B activity

Immunity
Goven BA; Dawe DL; Gratzek JB
1980 J Fish Biol 17 (3) Sept 311-316 Wa
Ichthyophthirius multifiliis, immunization of Ictalurus punctatus using ciliary and whole cell antigens of I. multifiliis and Tetrahymena pyriformis, T. pyriformis ciliary antigens provided greatest degree of protection

Immunity
Goven BA; Dawe DL; Gratzek JB
1981 Aquaculture 23 (1-4) Apr 269-273 Wa
Ichthyophthirius multifiliis, protective immunity of Ictalurus punctatus against challenge infections by immunization with varying doses of Tetrahymena pyriformis ciliary antigen

Immunity
Gray AR; Luckins AG
1980 Insect Sc and Its Applic 1 (1) 69-72 Wa
Trypanosoma congolense, 4 stocks, occurrence of local skin reactions in calves, sheep, and rabbits at sites of bites of infected Glossina morsitans, antibody responses of infected rabbits, local skin reaction responses in rabbits on rechallenge with homologous vs. heterologous stock, possible epidemiological importance of differences between parasite stocks

Immunity
Gray AR; Luckins AG
1980 J Comp Path 90 (4) Oct 449-512 Wa
Trypanosoma congolense, cyclical transmission to rabbits, calves, and sheep by infected Glossina morsitans, local skin reactions, trypanosome distribution in host, and pathological changes during initial stage of infection

Immunity
Green TJ et al
1981 Infect and Immun 31 (3) Mar 1203-1208 Wa
Plasmodium falciparum, specific immune serum inhibits dispersal of merozoites from mature schizonts and thus interferes with their subsequent reinvasion of new host erythrocytes, this phenomenon is viewed as protective mechanism against malaria which can be measured in vitro and reflects immune status of donor

Immunity
Greenblatt CL et al
1981 Lancet London (8218) 1 Feb 28 505-506 Wa
evidence to support hypothesis that leishmanial parasites may utilize system of camouflage or mimicry of host blood group antigens to evade host defense mechanisms

Immunity
Greenwood BM; Fakunle YM
1979 Trop Dis Research Ser (1) 229-244 Wa
tropical splenomegaly syndrome, diagnostic criteria, clinical features, treatment, pathogenesis (hypothesis involving abnormal immune response to malaria which results in excessive IgM production and formation of large molecular weight immune complexes), review

Immunity
Gregory MW; Nolan A
1981 Research Vet Sc 30 (3) May 385-387 Wa
Eimeria spp., lambs, globule leucocyte and mucosal mast cell populations in small intestine (excluding lymphoid areas), globule leucocyte and mucosal mast cell populations in mucosa overlying Peyer's patches and in adjacent areas of same section, % distribution of globule leucocytes in mucosa of sections which showed large numbers of these cells

Immunity
Grimaldi GF; Moriearty PL; Hoff R
1980 Clin and Exper Immunol 41 (2) Aug 237-242 Wa
Leishmania mexicana in C3H mice, BCG and levamisole treatment of established infections, results indicate non-specific immunostimulation is ineffective against chronic non-healing type of leishmaniasis in which host has humoral and delayed type hypersensitivity responses to parasites

Immunity
Grimaldi G jr; Moriearty PL; Hoff R
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Leishmania mexicana in C3H mice, histopathology, humoral and cellular immune responses

Immunity
Gronstol H; Overaas J
1980 Acta Vet Scand 21 (4) 523-532 Wa
Eperythrozoon ovis, lambs (exper.), resulting haemolytic anaemia and acidosis may predispose for listeric septicaemia, but not for listeric meningo-encephalitis, immune response

Immunity
de Groot ER et al
1980 Immunol Commun 9 (5) 515-528 Wm
Crithidia luciliae, high-avidity human antibody to double-stranded DNA (dsDNA) could be virtually completely dissociated from kinetoplast dsDNA at pH 12 and low-avidity antibody at pH 11

Immunity
Gross WG [i e WB] et al
1980 Poultry Science 59 (2) Feb 205-210 Wa
resistance to infectious diseases including Eimeria necatrix and Ornithonyssus sylviarum in 3 pairs of genetically selected lines of chickens

Immunity
Grosshans E et al
1980 Ztschr Hautkrankh 55 (18) Sept 15 1211-1218 Wm
rosacea, human, immunological reactions to Demodex caprae antigens, histogenesis of granulomatous lesions provoked by demodectic fragments in facial skin in rosacea could be based on immunological mechanism, topical acaricides may be useful in treatment

Immunity
Groupe de Travail Scientifique sur la Filariose
1981 Bull World Health Organ 59 (2) 205-212 Wa
Wuchereria bancrofti, Brugia malayi, B. timori, current knowledge on various aspects of immunodiagnosis, immunopathology, and immunization, review

Immunity
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1981 Parasitology 83 (2) Oct 401-409 Wa
Strongyloides ratti, mice, immunosuppression with prednisolone enhanced primary infection, permitted infection in innately resistant mice, and produced complex effects when administered during challenge infection, no evidence of autoinfection

Immunity
Grun JL; Weidanz WP
1981 Nature London (5802) 290 Mar 12 143-145 Wa
Plasmodium chabaudi adami infection in B-cell-deficient mice results in activation of T-cell-dependent immune mechanism which terminates acute malaria in similar way to that in immunologically intact mice, these immunized B-cell-deficient mice were resistant to homologous challenge and P. vinckei challenge but not to P. yoelii or P. berghei

Immunity
Guerra-Caceres JG et al
1980 Parasite Immunol 2 (2) Summer 121-131 Wa
onchocerciasis, humans, mechanisms of adverse reactions produced by diethylcarbamazine (Mazzotti reaction), does not appear to require generation of circulating immune complexes or systemic complement activation but eosinophils may be involved

Immunity
Guggenmoos-Holzmann I; Bienzle U; Luzzatto L
1981 Internat J Epidemiol 10 (1) Mar 16-22 Wm
Plasmodium falciparum, children under age 6, incidence and severity of infection with respect to haemoglobin types and red cell glucose-6-phosphate dehydrogenase variants, results suggest that the presence of these genetic traits offers selective advantage against infections, possible mechanisms discussed

Immunity
Guhl F et al
1979 Rev Inst Med Trop S Paulo 21 (4) July-Aug 166-171 Wm
Trypanosoma cruzi-infected mice maintained at 36°C, antibody response, serum from these mice protected recipient mice against lethal infection

Immunity
Gupta S; Chandra S; Saxena KC
1980 Molec and Biochem Parasitol 1 (6) Oct 357-362 Wa
Plasmodium berghei, changes in lysosomal enzymes of peritoneal exudate cells in 2 experimental hosts, increased activities in albino rats (relatively resistant host), decreased activities in Mastomys natalensis (which succumbs to infection)

Immunity
Gupta S; Katiyar JC; Sen AB
1981 J Helminth 55 (2) June 101-107 Wa
Hymenolepis nana, susceptibility of rats and chemotherapeutic response to anti-cestode drugs in egg-induced vs. cysticercoid-induced infections, possible role of immunity in differences

Immunity
Gusmao RA; Stanley AM; Ottesen EA
1981 Exper Parasitol 52 (1) Aug 147-159 Wa
Brugia pahangi, inbred Lewis rats, cellular and humoral immune responses (blood leukocyte levels, antifilarial IgG and IgE antibody production, specific lymphocyte responses to mitogens and filarial antigens), findings suggest that development of specific IgE antibodies plays role in differential susceptibility to infection in these rats

Immunity
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Trichinella spiralis, thymus-bearing vs. congenitally athymic mice, histological changes in gut, tongue, and 3 lymphoid tissues with special attention to eosinophils, specific antibody production

Immunity
de Gutierrez MV et al
1979 Acta Bioquim Clin Latinoam 13 (4) Dec 421-428 Wa
Chagas disease patients, cerebrospinal fluid, physical, cytological, chemical, and immunological analysis

Immunity
Gwadz RW et al
1979 Bull World Health Organ 57 suppl 1 165-173 Wa
Plasmodium knowlesi, vaccination of rhesus monkeys with irradiated sporozoites, antibody response; P. berghei, P. knowlesi, characterization of surface antigens

Immunity
Gwadz RW; Carter R; Green I
1979 Bull World Health Organ 57 suppl 1 175-180 Wa
malaria, gamete vaccines and transmission-blocking immunity, review

Immunity
Gysin J; Fandeur T
1981 J Immunol Methods 43 (2) June 16 193-197 Wm
method for inducing production of large amounts of ascitic fluid in Saimiri sciureus, antibody titers against Plasmodium falciparum in infected monkeys were comparable in serum and ascitic fluid

Immunity
Haas B; Wenk P
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 143-144 Wa
Litomosoides carinii, cotton-rats, turnover of microfilariae is more or less equal in both patent and immunized animals but in the latter nearly all microfilariae are eliminated before entering circulating blood so that patency is prevented

Immunity
Hagan P et al
1981 Parasite Immunol 3 (2) Summer 149-156 Wa
Nematospiroides dubius, stimulation of immunity in mice using larvae attenuated by cobalt 60 irradiation

Immunity
Hagiwara T; Katsube Y; Imaizumi K
1981 Japan J Vet Sc 43 (3) June 345-349 Wa
Toxoplasma, oocyst production in cats surviving after intraperitoneal inoculation of cysts, all developed dye test antibody

Immunity
Haidaris CG; Bonventre PF
1981 Infect and Immun 33 (3) Sept 918-926 Wa
Leishmania donovani, tumoricidal macrophages are insufficiently activated to kill ingested amastigotes in vitro unless an activating stimulus is maintained for several days

Immunity
Haldar JP; Saha KC; Ghose AC
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 514-517 Wa
Leishmania donovani, human, post kala-azar dermal leishmaniasis, serum immunoglobulin and C3 levels, specific antibody titres in indirect haemagglutination and enzyme-linked immunosorbent assay methods, overall difference compared to serological profile of kala-azar patients: India

Immunity
Hale C; Howard JG
1981 Parasite Immunol 3 (1) Spring 45-55 Wa
Leishmania tropica major in Biozzi high and low responder lines of mice, comparative susceptibility, serum antibody levels and delayed-type hypersensitivity responses, macrophage differences

Immunity
Hales JRS et al
1981 Austral J Biol Sc 34 (1) 37-46 Wa
Boophilus microplus, calves, cutaneous hyperaemia elicited by larvae is triggered by host's immune response to larval attachment

Immunity
Hall RD et al
1978 Poultry Science 57 (6) Nov 1728-1732 Wa
Ornithonyssus sylviarum, Leghorn roosters (exper.), effect of corticosterone and inbred antibody competency on mite population development, antibody competency alone probably was not responsible for observed differences

Immunity
Hamburger J; Ben-Sasson SA
1981 Tropenmed u Parasitol 32 (1) Mar 43-47 Wa
Schistosoma mansoni, comparison of sera from chronically infected mice vs. sera from mice immunized with soluble worm antigen (antibody titers to unmodified and modified schistosomula in indirect fluorescent antibody test; passive protective activity; in vitro cytotoxic antibody activity); induction of antibodies by modified schistosomula, cross-testing of this antisera against modified and unmodified schistosomula

Immunity
Hamburger J; Savion S
1981 J Helminth 55 (1) Mar 45-48 Wa
Schistosoma mansoni, mice, enhancement of infection induced by methanol-extraction residue fraction of BCG, may prove useful for studying mechanisms by which S. mansoni evades nonspecific resistance

Immunity
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1981 Internat J Parasitol 11 (1) Feb 67-70 Wa
Trichostrongylus colubriformis, resistant and susceptible guinea-pigs, resting populations of basophil and eosinophil leucocytes and mast cells and their responses to infection

Immunity
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1980 Infect and Immun 29 (1) July 215-220 Wa
Toxoplasma gondii, mice infected with strains of different virulence, sequence of antibody response to parasite surface antigens

Immunity
Hanna REB
1980 Exper Parasitol 50 (1) Aug 103-114 Wa
Fasciola hepatica, juvenile flukes acquired continuous layer of host IgG over surface during incubation with antiserum, but actively sloughed this layer and replaced the former glycocalyx when transferred to medium lacking antiserum; possible mechanism for protection against host immunity

Immunity
Hanna REB
1980 Exper Parasitol 50 (2) Oct 155-170 Wa
Fasciola hepatica, immunofluorescent study of antigenic changes in tegument during development in rat and sheep

Immunity
Hanson WL
1981 J Protozool 28 (1) Feb 27-30 Issued June 18 Wa
suppressive and enhancing effects of various antiprotozoal drugs on host immune response, possible procedures for enhancing immune response of host undergoing chemoprophylaxis or chemotherapy, symposium presentation

Immunity
Haque A et al
1980 Exper Parasitol 49 (3) June 398-404 Wa
Dipetalonema viteae, attempted infection with 3rd stage larvae in different mouse strains and in nude mice, microfilariae production in different mouse strains and in nude mice after implantation of adult female parasites

Immunity
Haque A et al
1981 Clin and Exper Immunol 43 (1) Jan 1-9 Wa
Dipetalonema viteae infective larvae reach reproductive maturity in rats immunodepressed by prior exposure to Schistosoma mansoni or its products and in congenitally athymic rats

Immunity
Harmsen AG; Jeska EL
1980 J Reticuloendothel Soc 27 (6) June 631-637 Wa
Toxoplasma gondii-infected swine vs. normal swine or Freund's complete adjuvant-injected swine, presence of IgM, IgG, and complement receptors on alveolar macrophages and their role in phagocytosis

Immunity
Haroun EM; Hammond JA; Sewell MMH
1980 Research Vet Sc 28 (3) May 377-379 Wa
Fasciola hepatica, immature and mature infections stimulating resistance in rats but not rabbits, host differences (fluke numbers following challenge, peripheral eosinophil counts, serum glutamic dehydrogenase levels, response to enzyme-linked immunosorbent assays)

Immunity
Haroun EM; Hammond JA; Sewell MMH
1980 Research Vet Sc 29 (3) Nov 310-314 Wa
Fasciola hepatica, resistance in rats and rabbits following implantation of adult flukes contained in diffusion chambers

Immunity
Haroun EM; Hammond JA; Sewell MMH
1981 Research Vet Sc 30 (3) May 309-311 Wa
Fasciola hepatica, effects of transferring homologous or heterologus sera between infected donors (rats, rabbits, cattle) and naive recipient rats and rabbits

Immunity
Harrison LJS; Sewell MMH
1981 Vet Immunol and Immunopath 2 (1) Feb 67-73 Wa
Taenia saginata, 3-12 month old calves and neonatal calves (exper.), serological response, comparison of enzyme linked immunosorbent assay and indirect haemagglutination technique

Immunity
Hatcher FM et al
1981 J Immunol 127 (3) Sept 1126-1130 Wm
Trypanosoma cruzi-infected mice, increased natural killer cell activity, data not indicative of direct role for host protection by these cells

Immunity
Hauser WE jr; Remington JS
1981 Infect and Immun 32 (2) May 637-640 Wa
Toxoplasma gondii, monoclonal antibodies enhance phagocytosis and killing of tachyzoites by normal mouse peritoneal macrophages

Immunity
Hayes MM; Kierszenbaum F
1981 Infect and Immun 31 (3) Mar 1117-1124 Wa
Trypanosoma cruzi, course of infection in mice given different doses, kinetics of lymphocyte responsiveness to mitogenic stimulation, variations in T and B cell contents of spleen during infection, effects of cyclophosphamide-induced immunosuppression during chronic infection; results indicate that immunosuppression in mice is characteristic of acute (but not chronic) phase of disease and that chronicity is likely to be attained and maintained as consequence of reestablishment of normal immune responsiveness

Immunity
Heath DD; Lawrence SB
1981 Internat J Parasitol 11 (4) Aug 261-266 Wa
Echinococcus granulosus, effect of sera from sheep infected with or immunized against cysts or oncospheres and developing cysts grown in vitro, study also provides new information on early metamorphosis of oncosphere to developing cyst as well as modification of culture media of Heath & Lawrence (1976)

Immunity
Heath DD; Parmeter SN; Osborn PJ
1980 Research Vet Sc 29 (3) Nov 388-389 Wa
Taenia hydatigena, dogs, immunization by macromolecular secretions from cultured worms resulted in high serum antibody titre to antigens but no immunity was induced to challenge infection

Immunity
Heller-Haupt A; Varma MRG; Langi AO
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 147-148 Wa
4 species of ixodid ticks on laboratory animals, acquired resistance to secondary infestation with same species but either partial or no resistance to infestation with another species

Immunity
Henson PM; Mackenzie CD; Spector WG
1979 Bull World Health Organ 57 (5) 667-682 Wa
Onchocerca volvulus, human, inflammatory reactions during course of natural disease and during drug (especially diethylcarbamazine) treatment, review of possible mechanisms and etiology of these reactions, recommendations for further study

Immunity
Herbert WJ; Joshua RA; White RG
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 149 Wa
Trypanosoma brucei in Gallus domesticus (exper.), course of infection, self-cure, subsequent immunity to challenges that contained many variable antigen types, may be useful model host

Immunity
Herman R
1980 Infect and Immun 28 (2) May 585-593 Wa
Leishmania donovani, mice, cytophilic and opsonic antibodies

Immunity
Hillyer GV; Sagramoso de Ateca L
1980 Am J Trop Med and Hyg 29 (4) July 598-601 Wa
Schistosoma mansoni or Fasciola hepatica in mice, antibody responses to antigen preparations from both species, Ouchterlony immunodiffusion, circumoval precipitin test, enzyme-linked immunosorbent assay, indirect hemagglutination

Immunity
Hinaidy HK
1981 Berl u Munchen Tierarztl Wchnschr 94 (7) Apr 1 121-125 Wa
Babesia divergens, cattle (nat. and exper.), immunization with formalin-killed vaccine showed highest immunogenicity in indirect fluorescent antibody test as compared with β-propiolactone- or with a lyophilized vaccine; effective immunization of cattle in endemic areas in Styria using formalin-vaccine

Immunity
Hinz E
1979 Tropenmed u Parasitol 30 (3) Sept 387-390 Wa
Echinococcus multilocularis, mice, intraperitoneal primary infection inhibits growth of subcutaneous superinfection; intraperitoneal primary infection is responsible for variations in serum proteins, white blood cell counts, and hemoglobin content

Immunity
Hoefling KK; Schroeter AL
1980 J Am Acad Dermat 3 (3) Sept 237-240 Wm
Sarcoptes scabiei, humans, direct immunofluorescence of scabies lesions revealed IgM, IgA, $C_3$, and fibrin in cornified layer of epidermis, dermoepidermal junction, and papillary dermal vessels, findings support a humoral immune response secondary to scabetic infestation

Immunity
Hood AT; Boros DL
1980 Am J Trop Med and Hyg 29 (4) July 586-591 Wa
Schistosoma mansoni, mice, effect of splenectomy on pathophysiology, humoral and cell-mediated granulomatous responses, and liver fibrosis

Immunity
Hopkins CA
1980 Biol Tapeworm Hymenolepis diminuta 551-614 Wa
Hymenolepis diminuta, immunity, review

Immunity
Hoshika K et al
1980 Nippon Shokakibyo Gakkai Zasshi (Japan J Gastroenterol) 77 (3) Mar 368-376 Wm
Giardia lamblia in patient with reduced secretory immunoglobulin A in duodenal aspirate, pathology of parasite-induced malabsorption, flagyl therapy ineffective

Immunity
Howard RJ; Chapman CB; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 201-205 Wa
Fasciola hepatica larvae, immunoglobulins are present at surface of living parasites obtained from intact, but not from nude, mice

Immunity
Hsu SYL et al
1980 Ann Trop Med and Parasitol 74 (2) Apr 179-183 Wa
Schistosoma mansoni, histopathological sections of liver and gallbladder from human case of subacute infection reveal possible mode of action of eosinophils as effector cells in destruction of schistosome eggs in granulomas in vivo

Immunity
Hsu SYL; Hsu HF; Burmeister LF
1981 Exper Parasitol 52 (1) Aug 91-104 Wa
Schistosoma mansoni, mice, vaccination with highly x-irradiated cercariae, bioengineering method used to improve immunization effect, age susceptibility to infection and duration of acquired immunity also studied

Immunity
Hudson L
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 493-498 Wa
Trypanosoma cruzi, modelling the host and the parasite (in vivo and in vitro studies), immune response (immunity to infection, immunity and pathogenesis, immunization and immunoprophylaxis), monoclonal antibodies as immunological tools, review

Immunity
Huebner J; et al
1980 Ceskoslov Epidemiol Mikrobiol Imunol 29 (1) Jan 46-51 Wa
toxoplasmosis, short-term seroconversion in patients undergoing rabies vaccinations

Immunity
Huffman EM et al
1981 J Am Vet Med Ass 178 (7) Apr 1 679-682 Wa
Toxoplasma gondii, relationship of neonatal mortality in lambs to serologic status of ewe (indirect hemagglutination test)

Immunity
Hughes DL; Hanna REB; Symonds HW
1981 Exper Parasitol 52 (2) Oct 271-279 Wa
Fasciola hepatica, IgG and IgA levels in serum and bile of cattle throughout 20-week period of infection

Immunity
Hughes DL; Harness E; Doy TG
1981 Research Vet Sc 30 (1) Jan 93-98 Wa
Fasciola hepatica, rats, capability of different parasite stages to induce immunity, susceptibility of various stages to immunological attack

Immunity
Humphrey JD; Spradbery JP; Tozer RS
1980 Exper Parasitol 49 (3) June 381-397 Wa
Chrysomya bezziana, Brahman-cross steers (exper.), gross and histopathology, clinical syndrome, hematology and biochemistry, bacteriology

Immunity
Hunter KW; et al
1980 J Immunol 125 (1) July 169-174 Wm
Plasmodium yoelii, mice, analysis of (parasitized and nonparasitized) erythrocyte surface-bound immunoglobulin by flow microfluorimetry, could contribute to development of anemia

Immunity
Hunter KW jr et al
1981 Immunol Letters 2 (4) Jan 209-212 Wa
Plasmodium yoelii, mice, early enhancement of natural killer cell activity (correlated with transient early rise in serum interferon levels) followed by marked suppression later in course of infection, antibody-dependent cell-mediated cytotoxicity and responses of T and B lymphocytes to mitogens were suppressed throughout course of infection

Immunity
Hurley JC; Day KP; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (3) June 231-240 Wa
Nematospiroides dubius, accelerated rejection of intestinal worms in mice sensitized with adult worms or worm products by various routes, host age, sex, and strain as factors; some slight degree of cross-sensitization with Nippostrongylus brasiliensis

Immunity
Ibeziako PA; Okerengwo AA; Williams AIO
1980 Internat J Gynaec and Obst 18 (2) Sept-Oct 147-149 Wm
pregnant Nigerian women on malarial chemoprophylaxis, malarial fluorescent antibody titres throughout pregnancy and in paired maternal and cord blood at delivery, findings show that if malarial prophylactics are used for prolonged period maternal antibody levels will fall, leaving newborns with lowered immunity to malaria

Immunity
Ibeziako PA; Williams AIO
1980 Brit J Obst and Gynaec 87 (11) Nov 976-982 Wm
pregnant Nigerian women on malarial chemoprophylaxis, immunoglobulin levels and malarial fluorescent antibody titres at various stages of gestation and in paired maternal and cord sera at time of delivery, concluded that newborn of mothers on prolonged malarial chemoprophylaxis may have lowered acquired immunity to malaria

Immunity
Ikeda T; Fujita K
1980 J Parasitol 66 (2) Apr 197-204 Wa
Paragonimus ohirai, rats, relationship between IgE titer, migration route, and parasite age, indirect hemagglutinating antibody response not influenced by same variables

Immunity
Iskander R; Das PK; Aalberse RC
1981 Internat Arch Allergy and Applied Immunol 66 (2) 200-207 Wa
Schistosoma mansoni and/or S. haematobium, humans, recent vs. chronic infections, serum immunoglobulin levels (IgA, IgM, IgE, IgG, IgG subclasses), specific IgE, IgG, and IgG4 antibody levels to S. mansoni antigens, concluded that assay of IgG4 antibodies to adult worm antigen and soluble egg antigen provides useful information not obtainable by determination of total IgG or IgE antibodies

Immunity
Ismail AM et al
1976 Ain Shams Med J 27 (1) Jan 57-60 Wm
hepatic schistosomiasis with enlargement of spleen, humans, change in immunoglobulins after splenectomy suggests possible immunological role of spleen in hepatic fibrotic infections

Immunity
Ito A
1980 Exper Parasitol 49 (2) Apr 248-257 Wa
Hymenolepis nana in 2 different mouse strains, time lag prior to acquisition of late immune response directed against mouse-derived cysts, survival of worms in primary infections induced by eggs, mechanism of worm survival in immunized mouse host in relation to immunogenicity of cysts and adult worms

Immunity
Jacqueline E et al
1981 Ann Parasitol 56 (4) 395-400 Wa
Trichinella spiralis, rats (exper.) with biliary secretion diverted from choledoch duct to bladder, increased number of adult worms, increased production of larvae by females, increased length of females, increased number of muscular larvae; in vitro inhibition of larvae production by secretory IgA (SIgA) from bile, more inhibition by immune SIgA than control SIgA

Immunity
Jagdish S; Singh DK; Gautam OP
1980 Indian Vet J 57 (2) Feb 177-178 Wa
Theileria annulata, calves (exper.), reverin, simultaneous infection and treatment protected against challenge infections

Immunity
Jain P; Sawhney S; Vinayak VK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 347-350 Wa
Entamoeba histolytica, guinea pigs immunized with low grade infection, protection against subsequent challenge, humoral (indirect haemagglutination and countercurrentimmunoelectrophoresis tests) and cell-mediated (macrophage migration inhibition test) immune responses in immunized and unimmunized animals

Immunity
Jain P; Sawhney S; Vinayak VK
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 25-31 Wm
Entamoeba histolytica, guinea pigs, effect of specific (amoebic) and non-specific (bacterial) prior sensitization on outcome of amoebic infection

Immunity
James MA; Alger NE
1981 Internat J Parasitol 11 (3) June 217-220 Wa
Plasmodium berghei, mice, treatment with carrageenan (reported anti-macrophage agent) conferred partial immunity

Immunity
James SL
1981 Parasitology 83 (1) Aug 147-162 Wa
Schistosoma mansoni, in vitro proliferative response to living schistosomula by T lymphocytes from infected mice

Immunity
Jenkins DC; Carrington TS
1981 Parasitology 82 (2) Apr 311-318 Wa
Nematospiroides dubius, course of primary, secondary, and tertiary infections in high and low responder Biozzi mice, results imply that host antibodies play essential role in immunity to this parasite and that resistance cannot be attributed solely to non-specific macrophage activity or cell-mediated immune reactions

Immunity
Jensen DL; Castro GA
1981 Exper Parasitol 52 (1) Aug 53-61 Wa
Trichinella spiralis, migration of rat peritoneal cells (predominantly eosinophils) toward parasite incubates, (normal or immune) rat serum, or (normal or immune) rat spleen cells, or combinations of these 3 components, results indicate generation in presence of rat serum of factors chemotactic for rat cells

Immunity
Jeong KH et al
1981 J Invert Path 38 (2) Sept 256-263 Wa
Biomphalaria spp., distribution and variation of hemagglutinating activity in hemolymph, no correlation between hemagglutinin titer and innate resistance of B. glabrata strains to Schistosoma mansoni, increase in hemagglutinin titer in B. glabrata infected with Echinostoma lindoense or sensitized and reexposed to this parasite

Immunity
Jeong KH; Lie KJ; Heyneman D
1980 J Invert Path 35 (1) Jan 9-13 Wa
Echinostoma lindoense in sensitized and resensitized Biomphalaria glabrata, leucocytosis, significant and more rapid leucocyte increase in resensitized snails

Immunity
Jepsen S; Axelsen NH
1980 Acta Path et Microbiol Scand 88C (5) Oct 263-270 Wa
Plasmodium falciparum, human, antigens and antibodies studied by immunoelectrophoretic methods

Immunity
Jørgensen RJ
1980 Vet Parasitol 7 (2) Sept 153-167 Wa
Dictyocaulus viviparus, cattle, epidemiology, infection in pasture monitored by use of tracer calves and regular pasture sampling, assessment of correlation between pasture larval contamination and pasture infectivity, influence of climate and host immunity: Denmark

Immunity
Johnson RP; Chi LW
1981 Am J Trop Med and Hyg 30 (5) Sept 952-954 Wa
Trypanosoma brucei, mice, immunization, N-methyl-N'-nitro-N-nitrosoguanidine tested as attenuating agent

Immunity
Johnson WD jr
1981 Infect and Immun 33 (3) Sept 948-949 Wa
Toxoplasma gondii, human, acute infection, chronological development of cellular immunity, dichotomy between resolution of clinical illness and responsiveness of B and T lymphocytes to toxoplasma antigens, transient period of antigen-specific immunosuppression

Immunity
Johnstone C; Leventhal R; Soulsby EJL
1981 Exper Parasitol 51 (2) Apr 243-256 Wa
Ascaris suum, T-cell responses of C57BL/6J mice in vitro and in vivo

Immunity
Jones TC
1981 Am J Path 102 (1) Jan 127-132 Wa
obligate intracellular protozoa, interactions with murine macrophages, symposium presentation: protozoal entry mechanisms and phagolysosomal system; protozoal intracellular survival and effects on macrophage function; macrophage antigen processing and genetics of immune response (includes mention of immunosuppression); lymphokine-induced microbicidal and microbistatic changes

Immunity
Jones TW et al
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 560-565 Wa
Trypanosoma brucei gambiense, use of culture-derived metacyclic trypanosomes in studies on serological relationships of 5 stocks from 4 African countries

Immunity
Jong EC; Mahmoud AAF; Klebanoff SJ
1981 J Immunol 126 (2) Feb 468-471 Wm
Schistosoma mansoni, guinea pig eosinophil peroxidase or canine neutrophil peroxidase are capable of killing schistosomula in vitro when combined with hydrogen peroxide and a halide

Immunity
Justus DE; Morakote N
1981 Internat Arch Allergy and Applied Immunol 64 (4) 371-384 Wa
Trichinella spiralis, mast cell degranulation associated with sequestration and removal of parasite antigens

Immunity
Kaiser H; Skofitsch G
1981 Zool Jahrb Jena Abt Syst 108 (1) 70-83 Wa
Hexamermis sp., H. lineata, Mermis nigrescens, Pheromermis sp., disc electrophoresis of proteins, reactions in gel diffusion tests with antiserum against Hexamermis sp., correlation of these characters with morphologic and biologic characters, implications for taxonomy and phylogeny of Mermithidae

Immunity
Kaji R; Kamijo T; Kojima S
1981 Immunopharmacology 3 (1) Feb 49-52 Wm
new antiallergic agent (azelastine), inhibitory effects on passive cutaneous anaphylaxis (in rats sensitized with mouse IgE antibodies) and on expulsion of Nippostrongylus brasiliensis from rat intestine

Immunity
Kaliraj P; Ghirnikar SN; Harinath BC
1981 Indian J Exper Biol 19 (3) Mar 287-288 Wa
Wuchereria bancrofti, rabbits, immune response to microfilarial antigen

Immunity
Karunakaran CS
1980 J Trop Med and Hyg 83 (5) Oct 195-201 Wa
Plasmodium falciparum, P. malariae, controlled chloroquine prophylaxis trial in endemic area, drug administered at intervals longer than conventionally recommended in order that inhabitants might possibly acquire immunity by allowing a subpatent parasitemia: Zambia

Immunity
Kassai T
1979 Ang Parasitol 20 (3) Sept 123-131 Wa
immunological aspects of phylogeny of host-parasite relationships, review

Immunity
Kassai T et al
1980 Internat J Parasitol 10 (2) Apr 115-120 Wa
Nippostrongylus brasiliensis, rats, no evidence that prostaglandins are directly involved in immune rejection

Immunity
Katiyar JC; Gupta S; Sen AB
1980 Indian J Exper Biol 18 (11) Nov 1288-1290 Wa
Hymenolepis nana-infected rats, histamine contents of intestines, possible role of excess histamine with regard to immunity and/or physiology

Immunity
Katz DH
1980 Immunology 41 (1) Sept 1-24 Wa
recent studies on regulation of IgE antibody synthesis in experimental animals and man, review including effects of parasitic infestation on IgE antibody system

Immunity
Kelly, JD; Campbell NJ
1979 Research Vet Sc 27 (2) Sept 205-209 Wa
Fasciola hepatica, rats, sheep, effect of route of infection on acquired resistance

Immunity
Kelly JD; Campbell NJ; Dineen JK
1980 Vet Parasitol 6 (4) Mar 359-367 Wa
Fasciola hepatica, rats, passage of juvenile flukes through gut was not essential for either acquisition or expression of acquired resistance

Immunity
Kemp DH; Bourne A
1980 Parasitology 80 (3) June 487-496 Wa
Boophilus microplus, effect of histamine and other pharmacologically active chemicals on attachment and growth of larvae

Immunity
Kemp WM; et al
1980 J Immunol 124 (2) Feb 806-811 Wm
Schistosoma mansoni, induced shedding of tegument-associated host immunoglobulins, results show parasite is capable of induced tegument-associated antigen turnover that is both rapid and selective

Immunity
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1980 Parasitology 80 (1) Feb 49-60 Wa
Trichinella spiralis, mice, primary, secondary, and tertiary infections, effects of host immune response on worm longevity, fecundity, and position in intestine

Immunity
Kennedy MW
1980 Parasitology 80 (1) Feb 61-72 Wa
Trichinella spiralis, Nippostrongylus brasiliensis, immunologically-mediated non-specific interactions between intestinal phases of the two species in the mouse

Immunity
Kennedy MW; Bruce RG
1981 Parasitology 82 (1) Feb 39-48 Wa
Trichinella spiralis, mice, reversibility of effects of host immune response on intestinal phase worms following transplantation to new host mice

Immunity
Kerboeuf D; Jolivet G
1980 Ann Recherches Vet 11 (2) 185-193 Wa
Heligmosomoides polygyrus, (Nematospiroides dubius) mice, effect of repeated anthelmintic treatments with or without repeated infections on host receptivity to subsequent infections

Immunity
Khoury PB et al
1981 Cellular Immunol 59 (2) Apr 233-245 Wa
Schistosoma mansoni, mice, cellular responses against cercarial immunogens in regional draining lymph nodes and spleen: kinetics and characterization of T- and B-rosette forming cells, kinetics and characterization of maturational stages of B lymphocyte populations (capacity to form rosette forming cells, rosette-antibody forming cells, plaque forming cells, immunoglobulin classes)

Immunity
Khoury PB; Phillips SM
1981 Am J Trop Med and Hyg 30 (2) Mar 394-401 Wa
Schistosoma mansoni, mice, cellular responses of lymphoid organs that drain pulmonary and hepatic phases of primary infection and also cellular responses of spleen: kinetics and characterization of T and B rosette forming cells. kinetics and characterization of B cell subpopulations (capacity to form rosette forming cells, rosette-antibody forming cells, and plaque forming cells; nature of surface and/or secreted immunoglobulins), these local immune responses seem to occupy significant role in mediation of protective immunity and host morbidity

Immunity
Khoury PB; Phillips SM
1981 Cellular Immunol 59 (2) Apr 246-255 Wa
Schistosoma mansoni, mice, cellular responses against egg immunogens in regional draining lymph nodes and spleen: kinetics and characterization of T- and B-rosette forming cells, kinetics and characterization of B-cell subpopulations (capacity to form rosette forming cells, rosette-antibody forming cells, plaque forming cells, immunoglobulin classes)

Immunity
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1980 J Parasitol 66 (4) Aug 673-675 Wa
Trypanosoma cruzi, protection of congenitally athymic mice by passive antibody transfer

Immunity
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1981 Immunology 44 (3) Nov 641-648 Wa
Trypanosoma cruzi, mice, variation in lymphoproliferative responses to T. cruzi antigens, nature of specific immunological deficiency characteristic of acute phase of disease and no longer detectable during chronic period

Immunity
Knight R et al
1979 Ann Trop Med and Parasitol 73 (6) Dec 563-576 Wa
Wuchereria bancrofti, human, clinical findings, microfilaria counts, filarial serology, and filarial skin tests for different age groups and each sex; prevalence of non-filarial parasites, various serological parameters, mean IgE levels, and mean eosinophil counts in different age groups: Middle Fly River region, Western Papua New Guinea

Immunity
Knopf PM; Cioli D
1980 Internat J Parasitol 10 (1) Feb 13-19 Wa
Schistosoma mansoni, rats, resistance to infection with cercariae induced by transfer of live adult worms, concurrent induction of peripheral eosinophilia and anti-worm antibodies correlated with induction of resistance

Immunity
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1980 Cellular Immunol 50 (2) Mar 15 327-339 Wm
Nippostrongylus brasiliensis, nonspecific enhancement of mouse antihapten IgE antibody response, involvement of T-cell subpopulation and its product for the potentiation

Immunity
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1980 Immunol Letters 2 (3) Dec 159-162 Wa
Nippostrongylus brasiliensis, prolonged infection in genetically mast cell-depleted $W/W^{v}$ mice

Immunity
Krahenbuhl JL et al
1981 Infect and Immun 31 (2) Feb 716-722 Wa
Toxoplasma gondii, enhanced resistance in muramyl dipeptide-treated mice, failure to reveal either enhanced cytolytic antibodies or evidence that peritoneal macrophages were activated

Immunity
Lackie AM
1980 Parasitology 80 (2) Apr 393-412 Wa
invertebrate immunity, review

Immunity
Lackie AM
1981 Parasite Immunol 3 (3) Autumn 201-208 Wm
Hymenolepis diminuta, agglutination of oncospheres by serum from Periplaneta americana but not by serum from Schistocerca gregaria, effect of preadsorption of serum with vertebrate erthrocytes

Immunity
Lackie AM
1981 Develop and Comp Immunol 5 (2) Spring 191-204 Wa
immune recognition in insects, review, includes some information on insects as intermediate hosts of parasites

Immunity
Lambert PH; Berney M; Kazyumba G
1981 J Clin Invest 67 (1) Jan 77-85 Wa
Trypanosoma brucei gambiense, humans, circulating immune complexes (IC) and C3, circulating IC in relation to polyclonal B cell activation, rheumatoid factor, and anti-trypanosome antibodies, IC in cerebrospinal fluid (CSF), origin of CSF immunoglobulins and CSF IC

Immunity
Lamont G; Saul A; Kidson C
1981 Exper Parasitol 51 (1) Feb 74-79 Wa
Plasmodium falciparum, method for quantitatively assaying merozoite invasion of particular erythrocytes in vitro, technique used to determine effect of serum from infected patient on merozoite invasion of erythrocytes

Immunity
Langhorne J et al
1979 Trop Dis Research Ser (1) 205-228 Wa
Plasmodium knowlesi, vaccination of previously splenectomized Macaca mulatta with merozoites, results of challenge infection; effects of splenectomy on clinical immunity of immunized M. mulatta and Callithrix jacchus which were previously resistant to repeated challenge infection; in vitro growth of parasites in presence of immune spleen cells from M. mulatta and M. fascicularis

Immunity
Lanotte G; Rioux JA; Pratlong F
1980 Ann Parasitol 55 (6) Nov-Dec 635-643 Wa
visceral leishmaniasis in children vs. adults, bioclinical analysis, indirect fluorescent antibody rates; mucosal leishmaniasis, report of 2 cases: Cevennes, France

Immunity
Lee DL; Martin J
1980 Parasitology 81 (1) Aug 27-33 Wa
Nematodirus battus, lambs, structure of parasite intestine, changes in structure during course of infection considered to have been initiated by immune response

Immunity
Lee DL; Nixon PE; North ACT
1980 Proc Roy Soc London s B Biol Sc (1173) 208 July 17 409-414 Wa
Nematodirus battus, crystals found in intestine, electron microscope study of molecular structure, possible immunological significance (may be antibody-antigen complex)

Immunity
Leke R; Viens P; Davies AJS
1981 Clin and Exper Immunol 45 (3) Sept 627-632 Wa
Plasmodium chabaudi-infected normal, T cell-deprived, or nude mice, pattern of parasitaemia, some increase in virulence associated with sustained growth of organism in deprived mice, no positive evidence for modulation of antigenicity of parasite but this is suspected to be present

Immunity
Lempereur C; Capron M; Capron A
1980 J Immunol Methods 33 (3) Apr 10 249-260 Wm
S[chistosoma] mansoni, identification and measurement of rat eosinophil phospholipase D, its activity on schistosomula phospholipids

Immunity
Leon LL et al
1980 Infect and Immun 27 (1) Jan 38-43 Wa
Trypanosoma cruzi epimastigotes, polyribosomal fraction, immunogenic and protective activity in mice

Immunity
Lewis D et al
1981 J Comp Path 91 (2) Apr 285-292 Wa
Babesia divergens, splenectomized calves (exper.), effect of imidocarb diproprionate prophylaxis on course of infection and on subsequent immunity to homologous challenge

Immunity
von Lichtenberg F; Byram JE
1980 Am J Trop Med and Hyg 29 (6) Nov 1286-1300 Wa
Schistosoma mansoni, primary and secondary infections in 4 mammalian laboratory hosts of variable natural susceptibility, leukocytic reactions to schistosomula in lungs, correlation with adult worm recoveries

Immunity
Licois D; Coudert P
1980 Ann Recherches Vet 11 (3) 273-278 Wa
Eimeria intestinalis, rabbits (exper.), immunization, unsuccessful attempts to suppress immunity using immunodepressors, an antibiotic, Escherichia coli, and Eimeria piriformis

Immunity
Liddell KG; Lucas SB; Williams H
1981 Parasitology 82 (2) Apr 205-224 Wa
Babesia divergens (strain isolated from fatal human case)-infected Meriones unguiculatus, useful laboratory host: general course of disease, cryopreservation of infected blood, host adaptation/parasite virulence during semi-continuous passage, parasite morphology, haematological, blood biochemical, and pathological findings, immunity of recovered animals to further challenge

Immunity
Lie KJ; Jeong KH; Heyneman D
1980 Ann Trop Med and Parasitol 74 (2) Apr 157-166 Wa
Schistosoma mansoni, sporocysts in Biomphalaria glabrata with strong natural resistance are encapsulated by granulocytes and killed by strong phagocytic activity, irradiated Echinostoma paraensei sporocysts suppress function of granulocytes; tissue responses associated with destruction of secondary sporocysts in snails with self-cure indicate partial suppression of granulocyte function

Immunity
Lie KJ; Mak JW; Cheong WH
1980 Southeast Asian J Trop Med and Pub Health 11 (3) Sept 328-331 Wa
Breinlia booliati, Brugia malayi, double filarial infections in mosquito hosts did not interfere with host defense responses, preliminary report

Immunity
Lindsley HB et al
1980 Am J Trop Med and Hyg 29 (3) May 348-357 Wa
Trypanosoma rhodesiense in 5 strains of inbred rats, variable severity of glomerulonephritis, correlation with immunoglobulin class-specific antibody responses to trypanosomal antigens and total IgM levels, circulating immune complexes

Immunity
Lindsley HB et al
1981 Infect and Immun 33 (2) Aug 407-414 Wa
Trypanosoma rhodesiense, rabbits, detection and composition of immune complexes (trypanosomal antigens, IgG, IgM, C3), serum IgM and IgG antibodies to trypanosomes, total IgM and IgG

Immunity
Ljungstroem I
1980 Parasite Immunol 2 (2) Summer 111-120 Wa
Trichinella spiralis, responsiveness of mouse spleen cells to various polyclonal T and B cell activators during infection

Immunity
Ljungstroem I et al
1980 Infect and Immun 30 (3) Dec 734-740 Wa
Trichinella spiralis, mice, effect of parasite infection on intestinal fluid transport in concomitant enterotoxic diarrhea (cholera) and on local and systemic antibody formation to cholera toxin immunization

Immunity
Ljungstroem I et al
1980 Scand J Infect Dis Suppl (24) 79-81 Wm
Trichinella spiralis in mice, clarification of effects of various stages of infection on enterotoxin-induced intestinal secretion and on development of local immunity to cholera toxin

Immunity
Londner MV et al
1981 Ztschr Parasitenk 65 (2) 163-166 Wa
Plasmodium berghei, mice (exper.), adoptive transfer of immunity with spleen and bone marrow cells following busulfan and cyclophosphamide treatment

Immunity
Long E et al
1980 Parasitology 81 (2) Oct 355-371 Wa
Schistosoma mansoni, factors affecting acquisition of resistance in the mouse, effect of varying route and number of primary infections, correlation between size of primary infection and degree of resistance that is acquired

Immunity
Long E et al
1981 Ann Trop Med and Parasitol 75 (1) Feb 79-86 Wa
Plasmodium chabaudi infection in mice induces relative unresponsiveness to sheep erythrocytes in terms of serum antibody titres but fails to affect degree of acquired resistance to reinfection with Schistosoma mansoni, S. mansoni infection has inhibitory effects on P. chabaudi parasitaemia

Immunity
Long PL; Johnson J; Reyna P
1980 Avian Dis 24 (2) Apr-June 435-445 Wa
Eimeria spp., broiler chicks (nat. and exper.), use of sentinel birds to monitor potential coccidial challenge, technique may be used to monitor effectiveness of anticoccidial drugs or the immune status of chickens

Immunity
Long PL; Johnson J; Wyatt RD
1980 Poultry Science 59 (10) Oct 2221-2224 Wa
Eimeria tenella, broiler chickens (exper.), clinical effects in partially immune vs. susceptible hosts, presence of severe cecal lesions in partially resistant birds, results suggest at least 3 stages of immunity

Immunity
Louis JA et al
1981 J Immunol 126 (5) May 1661-1666 Wm
Leishmania tropica major, role of H-2 gene complex in interactions between antigen-presenting macrophages and Leishmania-immune T lymphocytes

Immunity
Luffau G; Pery P; Petit A
1981 Vet Parasitol 9 (1) Oct 57-67 Wa
Haemonchus contortus, sheep with AA vs. BB hemoglobin types infected once or several times before challenge, attempt to distinguish between self-cure and resistance to reinfection phenomena

Immunity
Lugetti G et al
[1980] Riv Parassitol Roma 39 (2-3) 1978 187-192 Issued Jan Wa
adherence reaction between Toxocara canis L2 previously sensitized with immune serum and peritoneal macrophages from normal guinea pigs

Immunity
Lumley AM; Lee DL
1981 Exper Parasitol 52 (2) Oct 183-190 Wa
Nippostrongylus brasiliensis, rats, Nematodirus battus, lambs, high-dose or low-dose infections, worm expulsion, changes in weight of male and female worms during course of infection, consequences of weight changes discussed with relevance to expression of enzyme activities of these nematodes on a weight of individual nematode basis

Immunity
Macario AJL; Stahl W; Miller R
1980 Clin and Exper Immunol 41 (3) Sept 415-422 Wa
Toxoplasma gondii, mice with chronic infection, lymphocyte subpopulations in thymus, spleen, and peripheral and mesenteric lymph nodes, physiological pattern of change with host age, pattern was distinctive for each lymphoid organ

Immunity
Macaskill JA et al
1980 Immunology 40 (4) Aug 629-635 Wa
Trypanosoma brucei, immunological clearance of $^{75}$Se-labelled trypanosomes in mice is largely accomplished by antibody-mediated hepatic phagocytosis which (at least in passively immunized animals) is dependent on opsonization involving C3, no evidence for role of intravascular lysis or activated macrophages

Immunity
MacAskill JA et al
1981 Immunology 43 (4) Aug 691-698 Wa
Trypanosoma brucei, mice infected with $^{75}$Se-labelled trypanosomes, acute fulminating infections were result of inability of host to achieve effective levels of circulating antibody to cope with massive parasitaemias, not due to impaired macrophage function, no evidence that parasite caused any significant suppression of antibody responses, comparison with parasite strain which caused more chronic infection

Immunity
McClelland G
1980 Exper Parasitol 49 (2) Apr 175-187 Wa
Phocanema decipiens in Phoca vitulina and Halichoerus grypus (both nat. and exper.), parasite growth, reproduction, survival (in sensitizing and challenge infections), and sex ratio; parasite incidence in free-living hosts varied seasonally and with host age: Nova Scotia

Immunity
McClelland G
1980 Exper Parasitol 49 (3) June 405-419 Wa
Phocanema decipiens in Phoca vitulina and Halichoerus grypus (nat. and exper.), pathology, resistance to reinfection: Nova Scotia

Immunity
MacDonald TT; Murray M; Ferguson A
1980 Exper Parasitol 49 (1) Feb 9-14 Wa
Nippostrongylus brasiliensis-infected rats, kinetics of mast cells and globule leucocytes at small intestinal sites and in heterotopically transplanted isografts of intestine

Immunity
McDonald V; Phillips RS
1980 Exper Parasitol 49 (1) Feb 26-33 Wa
Plasmodium chabaudi, adoptive transfer of immunity with different spleen cell populations and development of protective activity in serum of lethally irradiated recipient mice

Immunity
McDonald V; Sherman IW
1980 Clin and Exper Immunol 42 (3) Dec 421-427 Wa
Plasmodium chabaudi-immunized mice, lack of correlation between delayed-type hypersensitivity (DTH) and host resistance, DTH depression in immunized challenged mice coincided

Immunity
McDonald V; Sherman IW
1980 Exper Parasitol 49 (3) June 442-454 Wa
Plasmodium chabaudi, mice, immunization, protection, humoral and cell-mediated responses, passive transfer experiments, depressed delayed-type hypersensitivity reactions but increased titers of malarial antibody after challenge

Immunity
de Macedo MS; Mota I
1980 Immunology 40 (4) Aug 701-708 Wa
antigenic competition in IgE antibody production, establishment of parameters involved in primary and secondary responses, Ascaris suum and DNP-Asc among antigens used

Immunity
McGowan MJ et al
1980 J Parasitol 66 (1) Feb 42-48 Wa
Amblyomma maculatum, performance of ticks fed on immunized vs. nonimmunized Oryctolagus cuniculi

Immunity
McGowan MJ; Barker RW
1980 Bull Entom Soc Am 26 (1) Mar 17-25 Wa
tick-host resistance and immunological relationships, selected bibliography

Immunity
McGreevy PB et al
1980 Am J Trop Med and Hyg 29 (4) July 553-562 Wa
Brugia malayi, natives living in endemic area, indirect fluorescent antibody technique used to determine class of anti-sheath immunoglobulins and prevalence and titer of each class in different age groups, anti-sheath antibodies related to amicrofilaremia but not to filarial disease: South Kalimantan, Borneo

Immunity
McGuinness TB; Kemp WM
1981 Exper Parasitol 51 (2) Apr 236-242 Wa
Schistosoma mansoni, complement-dependent receptor on dorsal tegumental surface of adult male parasites

Immunity
McHardy N
1980 Vet Parasitol 7 (4) Dec 287-296 Wa
Anaplasma marginale, cattle, serological responses (complement fixation and capillary tube agglutination tests) following treatment with gloxazone

Immunity
Machnicka B; Choromanski L
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (9) 739-748 Wa
Trypanosoma cruzi-generated immunosuppression, influence on Hymenolepis diminuta development in mice, diminished humoral and cellular responses to H. diminuta, tapeworms not expelled

Immunity
Mackenzie CD et al
1980 European J Immunol 10 (8) Aug 594-601 Wm
Trichinella spiralis, Nippostrongylus brasiliensis, various stages in life cycle, activation of complement and induction of antibodies by cuticle, effects of eosinophils, macrophages, neutrophils, and mast cells on viability of these nematodes following cellular attachment to cuticle via antibodies and/or C

Immunity
McLaren DJ
1980 Trop Med Research Studies Ser (1) 229 pp Wm
Schistosoma mansoni, parasite surface in relation to host immunity, monograph

Immunity
McLeod R et al
1980 Cellular Immunol 54 (2) Sept 1 330-350 Wa
Toxoplasma gondii, in vitro effects of human peripheral blood monocytes, monocyte-derived macrophages, and spleen mononuclear phagocytes on parasites

Immunity
McMyne PS; Strejan GH
1981 Cellular Immunol 58 (2) Mar 1 312-322 Wm
evolution of delayed hypersensitivity, lymphotoxin, IgE, and IgG antibody production in rats following primary and secondary immunizations with DNP-Ascaris conjugates and different adjuvants

Immunity
Maddison SE et al
1981 Am J Trop Med and Hyg 30 (3) May 609-615 Wa
Schistosoma mansoni, B-cell-deficient mice acquired as high a level of resistance to challenge infection as did intact control mice but had markedly suppressed IgM and IgG levels

Immunity
Mahoney DF; Wright IG; Goodger BV
1980 Ztschr Parasitenk 62 (1) 39-45 Wa
Babesia bovis, changes in haemolytic activity of serum complement during acute infection of susceptible and immunized Bos taurus (exper.), activity of alternative pathways, effect of kinin inhibition

Immunity
Makinde AA; Ezeh AO
1981 Brit Vet J 137 (5) Sept-Oct 485-488 Wa
Toxoplasma gondii, cattle, serological survey, indirect haemagglutination test: Nigeria

Immunity
Mancini PE; Patton CL
1981 Molec and Biochem Parasitol 3 (1) May 19-31 Wa
Trypanosoma brucei brucei, parasite strain-related pattern of cyclic 3',5'-adenosine monophosphate changes during parasite developmental cycle in normal and immunosuppressed rats, possible regulatory role of cyclic AMP in differentiation of trypanosomes

Immunity
Mangold BL; Knopf PM
1981 Parasitology 83 (3) Dec 559-574 Wa
Schistosoma mansoni, rats, host protective humoral immune responses, kinetics of hyperimmune serum-dependent sensitivity and elimination of schistosomes in passive transfer system

Immunity
Marinov R; Dranga A; Mircea M
1979 Bacteriol Virusol Parazitol Epidemiol Bucuresti 24 (4) Oct-Dec 235-238 Wa
P[lasmodium] malariae, humans, acute vs. latent infections, efficiency of radical treatment measured by antibody response

Immunity
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1980 Austral J Exper Biol and Med Sc 58 (6) Dec 603-605 Wa
Nematospiroides dubius in SJL/J (resistant) and C57BL/6 (susceptible) mice and their $F_1$ hybrids, development of resistance to infection, strain and sex differences

Immunity
Przyjalkowski Z; Cabaj W; Kontny E
1979 Zentralbl Bakteriol 1 Abt Suppl (7) 181-187 Wa
Trichinella pseudospiralis, germfree and conventional mice, course of infection, hematological and serological changes, humoral response determined by immunodiffusion and hemagglutination tests; ". . .it seems unjustified to distinguish the two types of Trichinella [spiralis and pseudospiralis] as separate species only on the basis of the presence of the envelope sheathing T. spiralis larvae"

Immunity
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1979 J South African Vet Ass 50 (4) Dec 339-344 Wa
Babesia divergens, isolation, cryopreservation, and characterisation of isolates, preparation of irradiated blood-derived vaccine, subsequent inoculation into calves produced immune response without pathogenic effects, field trials: British Isles

Immunity
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Babesia divergens, calves inoculated with irradiated infected blood were completely protected against field challenge, clinical, serologic, and haematologic results: Dorset

Immunity
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1980 Brit Vet J 136 (5) Sept-Oct 452-456 Wa
Babesia divergens, splenectomized calves (exper.), imidocarb diproprionate given as prophylactic dose prior to infection, subsequent reactions of calves to homologous challenge

Immunity
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1980 Am J Trop Med and Hyg 29 (1) Jan 1-4 Wa
Plasmodium berghei, rats, reversibility of crisis, critically important role of spleen in maintaining crisis, findings discussed in relation to alterations in splenic clearance of infected erythrocytes observed during crisis

Immunity
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1981 Infect and Immun 32 (2) May 852-856 Wa
Giardia lamblia, ability of peritoneal rabbit macrophages from immunized and nonimmunized animals to phagocytose trophozoites in presence of hyperimmune serum, IgG purified from hyperimmune serum, normal serum, or no serum, correlation between ability of antibody to enhance in vitro phagocytosis and to agglutinate antigen

Immunity
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1980 Research Vet Sc 29 (1) July 124-125 Wa
Fasciola hepatica, rats, assay of glutamate dehydrogenase as measure of liver damage and hence of resistance to challenge infection

Immunity
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Immunity
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1981 Parasite Immunol 3 (3) Autumn 219-226 Wm
Schistosoma mansoni-infected mice, suppressor T cells in specific control of carrier response to TNP-schistosomula

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1981 Tropenmed u Parasitol 32 (2) June 87-92 W
Trypanosoma cruzi, isolation and characterization of proteinase common to epimastigote, trypomastigote, and amastigote forms of different strains, induction of antibodies by proteinase

Immunity
Rehbein G et al
1981 Tropenmed u Parasitol 32 (2) June 101-104 Wa
Theileria annulata-infected calves, peripheral blood lymphocytes assayed for E, EA, and EAC rosette formation

Immunity
Reich CI; Zorzopulos J
1980 Exper Parasitol 50 (2) Oct 272-277 Wa
Boophilus microplus, cattle, production of antienzymes to larval tick phosphomonoesterases, kinetics suggest immunosuppression mechanism operates during normal infestation; antigenic ability of 2 subcellular fractions of larval extracts to induce antiphosphomonoesterases in guinea pigs

Immunity
Rener J et al
1980 Proc National Acad Sc Biol Sc 77 (11) Nov 6797-6799 Wa
Plasmodium gallinaceum, 2 anti-gamete monoclonal antibodies synergistically block transmission of malaria by preventing fertilization in Aedes aegypti

Immunity
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1980 Clin and Exper Immunol 40 (3) June 508-514 Wa
L[eishmania] donovani, parasite burdens in liver and spleen of various strains of mice, development of resistance, development of antibody, skin reactivity, adoptive transfer of cells and antibody

Immunity
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1980 Rev Brasil Biol 40 (1) Feb 51-58 Wa
Trypanosoma cruzi, 3 strains isolated from Callithrix jacchus were pathogenic for white mice, experimental infection of T[riatoma] infestans, T. vitriceps, and R[hodnius] neglectus, role of C. jacchus as wild reservoir; blood trypomastigotes of monkey strain not inactivated by normal human serum and cross immunity tests showed that mice recovered from infections with monkey strains had high resistance against re-infection by Y strain of T. cruzi: Estado de Bahia, Brasil

Immunity
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1981 Tr Roy Soc Trop Med and Hyg 75 (1) 122-123 Wa
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Immunity
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1980 Tr Roy Soc Trop Med and Hyg 74 (4) 508-514 Wa
leishmaniasis, human, cutaneous and mucocutaneous forms, histological classification, attempted correlation with clinical and immunological findings: Brazil

Immunity
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1979 Bull World Health Organ 57 suppl 1 139-151 Wa
Plasmodium knowlesi, rhesus monkeys, immunization with 3 nonviable blood-stage antigens, response to challenge, haematology, indirect fluorescent antibody test, IgG values, radioimmunoassay values, opsonization and merozoite inhibition tests, B and T cell values, lymphocyte transformation test, intradermal skin test

Immunity
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1975 Ain Shams Med J 26 (1) Jan 39-44 Wm
Schistosoma mansoni-infected mice, serum protein changes at different stages of infection, testing for CHR

Immunity
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1981 Immunology 42 (4) Apr 521-527 Wa
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Immunity
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Trypanosoma cruzi, phagocytosis by human polymorphonuclear leukocytes assayed by radioisotopic method in presence or absence of anti-T. cruzi antibodies

Immunity
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1980 Canad J Zool 58 (2) Feb 245-251 Wa
cattle infected with both Hypoderma lineatum and H. bovis or only H. lineatum, antibody production followed using the tanned-cell hemagglutination technique, variation in production according to host age

Immunity
Roberts-Thomson IC et al
1980 Gut 21 (5) May 397-401 Wm
human and murine giardiasis, in humans with prolonged Giardia lamblia infection genetic markers were analyzed, higher than expected frequency of certain antigens and phenotypes were observed; in infected inbred strains of mice several genes appeared to influence susceptibility to prolonged infection with G. muris

Immunity
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1978 Bull Soc Path Exot 71 (1) Jan-Feb 85-89 Wa
Dracunculus medinensis, 42-year-old man, case report, acute arthritis of knee with intra-articular presence of microfilariae, immunology: France (native of Africa)

Immunity
Robson J et al
1981 Trop Animal Health and Prod 13 (1) Feb 1-11 Wa
Theileria parva, T. mutans, cattle continually exposed to natural infection, parasitological and serological response, indirect fluorescent antibody test, T. parva cell culture schizont antigen more reliable and specific than piroplasm antigen: Uganda

Immunity
Rockey JH et al
1981 Arch Ophth Chicago 99 (10) Oct 1831-1840 Wa
Toxocara canis, Ascaris suum, passively sensitized guinea pigs and animals infected intravitreally with ascarid larvae, role of IgE antibodies and mast cells in immunopathology of eye

Immunity
Rocklin RE et al
1980 J Immunol 125 (5) Nov 1916-1923 Wm
Schistosoma mansoni, Kenyan children, cell-mediated (CMI) and humoral immune responses, results imply that several factors affect CMI response during course of infection including factors present in serum (possibly antigen-antibody complexes) and presence of antigen-specific suppressor cells

Immunity
Rodriguez AM et al
1981 Infect and Immun 31 (2) Feb 524-529 Wa
Trypanosoma cruzi, rats treated with anti-μ rabbit antiserum, immunoglobulin levels, specific anti-parasite antibodies, complement levels, parasitemia and mortality, results indicate essential role of antibodies, probably in association with complement or effector cells or both, in immunity to acute Chagas' disease

Immunity
Rondelaud D; Barthe D
1980 Ztschr Parasitenk 61 (2) 187-196 Wa
Fasciola hepatica-infected Lymnaea truncatula (exper.), amebocytic reaction, relationship to uniform and fluctuating temperatures, host age, and food supply

Immunity
Rondelaud D; Barthe D
1981 Ztschr Parasitenk 65 (3) 331-341 Wa
Fasciola hepatica-infected vs. non-infected Lymnaea truncatula, localization and characteristics of amoebocyte-producing organ, effects of breeding temperature, drying of habitat sediment, and snail body volume on organ development

Immunity
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1980 Internat Arch Allergy and Applied Immunol 61 (3) 271-277 Wm
Balb/c mice, effect of low protein diet on IgE antibody responses to ovalbumin and Ascaris suum body fluid proteins

Immunity
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1980 Internat Arch Allergy and Applied Immunol 63 (1) 21-29 Wa
Eimeria acervulina, chickens, E. nieschulzi, rats, intestinal mast cell response to primary and challenge infections, comparison with helminth infections (Nippostrongylus brasiliensis in rats, Raillietina cesticillus in chickens); some properties of chicken mast cells

Immunity
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1981 Cellular Immunol 61 (2) July 1 416-424 Wm
ability of nonspecific T-cell stimulators (including Plasmodium yoelii infection) to induce helper-cell-dependent increases in either polyclonal or isotype-restricted Ig production in mice

Immunity
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1980 Exper Parasitol 50 (3) Dec 331-341 Wa
Nippostrongylus brasiliensis-infected rats, peripheral leukocyte responses, correlation of basophils with blood histamine concentrations

Immunity
Rothwell TLW
1981 J Parasitol 67 (4) Aug 592-593 Wa
Trichostrongylus colubriformis, lack of cross-protection in guinea pigs vaccinated with other Trichostrongylus spp. or other nematode genera, protection stimulated only by injection of antigens from homologous species

Immunity
Rothwell TLW et al
1980 Internat J Parasitol 10 (1) Feb 43-49 Wa
Trichostrongylus colubriformis, immunity against infection in guinea-pigs and sheep, comparison with Nippostrongylus brasiliensis infection in rats

Immunity
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1981 J Reticuloendothel Soc 29 (6) June 423-432 Wm
markers of macrophage heterogeneity, altered frequency of macrophage subpopulations after various pathologic stimuli in mice (including Plasmodium berghei infection)

Immunity
Rubaire-Akiiki CM; Mutinga MJ
1980 Bull Animal Health and Prod Africa 28 (1) Mar 35-47 Wa
Rhipicephalus appendiculatus on rabbits, histopathological skin reactions associated with acquired resistance, Arthus type of immediate hypersensitivity is superimposed on and enhances physiopathological reactions of skin, implications for transmission of disease agents by this vector

Immunity
Rubaire-Akiki CM; Mutinga MJ
1980 Bull Animal Health and Prod Africa 28 (1) Mar 49-59 Wa
Rhipicephalus appendiculatus on rabbits, immunological reactions associated with acquired resistance, homocytotropic and precipitating antibody formation

Immunity
Rudin W et al
1980 Tropenmed u Parasitol 31 (2) June 194-200 Wa
Dipetalonema viteae, ultrastructural aspects of antibody-dependent cell-mediated destruction of microfilariae in vitro and within micropore chambers in vivo, correlation between degree of adherence and degree of microfilarial damage, contribution of different cell types to destruction process

Immunity
Ruebush MJ; Hanson WL
1980 Am J Trop Med and Hyg 29 (4) July 507-515 Wa
Babesia microti of human origin in mice, resistance to and recovery from primary infection is modulated by T lymphocytes, depressed B cell function and normal T cell function are correlates of this infection

Immunity
Ruebush MJ; Hanson WL
1980 Cellular Immunol 52 (2) July 1 255-265 Wa
Babesia microti, human-derived Peabody strain, adoptive transfer of immunity from infected mice to naive mice with lymph node and spleen cells, evidence for T-lymphocyte dependence of immunologic memory

Immunity
Ruebush TK II et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 291-292 Wa
Babesia microti-infected humans, development and persistence of antibody, indirect immunofluorescent test

Immunity
Ruebush TK II et al
1981 Am J Trop Med and Hyg 30 (3) May 555-559 Wa
Babesia microti, experimental transmission to Macaca mulatta by Ixodes dammini, parasitemia and antibody levels, seems likely that I. dammini is vector of human B. microti infections

Immunity
Ruff MD et al
1980 Poultry Science 59 (9) Sept 2008-2013 Wa
Eimeria spp., male broilers (exper.), efficacy of narasin vs. monensin in floor pens, effect on host immunity to reinfection

Immunity
Ruff MD; Chute MB
1980 Poultry Science 59 (4) Apr 697-701 Wa
Eimeria spp., Hubbard breeder pullets (exper.), interrelationship of feeding regimen (ad libitum vs. restricted), anticoccidial drug efficacy, and development of coccidial immunity

Immunity
Ruitenberg EJ et al
1980 Internat Arch Allergy and Applied Immunol 62 (1) 104-110 Wa
Trichinella spiralis infection in mice genetically selected for high and low antibody production, specific antibody response, histopathological changes in small intestine with emphasis on macrophages, intestinal mast cells, globule leucocytes, and eosinophils

Immunity
Ruitenberg EJ; Buys J
1980 Vet Immunol and Immunopath 1 (3) Aug 199-214 Wa
Trichinella spiralis, mice, effects of pregnancy on course of infection and associated histopathological changes in thymus and small intestine (litter size, thymus atrophy and thymus mast cells, worm expulsion, recovery of muscle larvae, intestinal mast cells and globule leucocytes, intestinal eosinophils, antibody production, blood eosinophilia)

Immunity
Ruitenberg EJ; Elgersma A
1980 Brit J Exper Path 61 (3) June 285-290 Wa
Trichinella spiralis, rats, single or double infections, kinetics of globule leucocytes in the intestinal epithelium, independence of globule leucocytes from intestinal mast cells

Immunity
Rumjanek FD; McLaren DJ
1981 Molec and Biochem Parasitol 3 (4) Aug 239-252 Wa
Schistosoma mansoni, modulation of schistosomular surface lipid composition by serum, possible role in general adaptation of parasite to host and simultaneous acquisition of protection against immune damage

Immunity
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1981 Immunology 42 (4) Apr 513-519 Wm
bronchoalveolar vs. peritoneal macrophages, cytotoxic (against tumor target cells) and microbicidal (against Toxoplasma gondii) function in normal, Toxoplasma-infected, and Corynebacterium parvum-treated mice

Immunity
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1981 Infect and Immun 33 (2) Aug 343-347 Wa
Plasmodium vinckei petteri from mice in which endotoxicity was induced showed reduced in vitro incorporation of hypoxanthine, results implied that injection of lipopolysaccharide induced release of mediators with cytostatic effect on parasite

Immunity
Salata E; Rangel HA
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 231-241 Wm
Trypanosoma cruzi, mice infected with Y vs. Nicaragua strains, mortality rate, persistence of parasitemia, level of various serum protein components

Immunity
Salman SK; Brown PJ
1980 J Comp Path 90 (3) July 447-455 Wa
Nippostrongylus brasiliensis, active or inactive larvae injected subcutaneously or intravenously to uninfected or immune rats, lung pathology, granuloma formation in immune animals, changes in numbers of mast cells and eosinophils

Immunity
Samuel AM et al
1978 Indian J Med Research 68 Sept 444-449 Wa
tropical eosinophilia, human, immunoglobulin levels, cell-mediated immune response to 4 helminth antigens, evidence of sensitization to filarial antigen, effect of diethylcarbamazine treatment

Immunity
Samuelson JC
1979 Proc 37 Ann Meet Electron Microsc Soc America (San Antonio Texas Aug 13-17) 156-157 Wa
Schistosoma mansoni, loss of concanavalin A binding, antischistosomal antibody binding, and complement binding from surface of schistosomula

Immunity
Samuelson JC; Sher A; Caulfield JP
1980 J Immunol 124 (4) Apr 2055-2057 Wm
Schistosoma mansoni, newly transformed schistosomula spontaneously lose surface antigens and C3 acceptor sites during culture

Immunity
Sandeman RM; Howell MJ
1980 Vet Parasitol 6 (4) Mar 347-357 Wa
Fasciola hepatica, excysted metacercariae cultured in serum taken from sheep weekly for 20 weeks following infection, formation of precipitate on tegument and in surrounding medium, comparison of amount of precipitate formed with levels of liver and bile duct enzymes in serum

Immunity
Sandeman RM; Howell MJ
1981 Research Vet Sc 30 (3) May 294-297 Wa
Fasciola hepatica, sheep, primary and challenge infections, serum enzyme and precipitating antibody levels, worm recoveries, no resistance to challenge, apparent suppression of antibody response during challenge infection; recoveries of adult flukes from rats injected with metacercariae cultured in serum from normal and infected sheep or with freshly excysted metacercariae

Immunity
Sandeman RM; Howell MJ
1981 Vet Parasitol 9 (1) Oct 35-46 Wa
Fasciola hepatica, sheep, primary and challenge infections, precipitating antibodies against excretory/secretory antigens of various developmental stages

Immunity
Sanghvi PK; Vyas M; Johri GN
1980 Indian J Exper Biol 18 (8) Aug 864-866 Wa
Nematospiroides dubius, mice, transfer of acquired immunity using singly sensitized peritoneal exudate cells

Immunity
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1979 Ann Sclavo 21 (5) Sept-Oct 720-724 Wm
Trichomonas vaginalis, women with vaginitis, determination of secretory IgA in vaginal lavage

Immunity
dos Santos RR; Hudson L
1980 Clin and Exper Immunol 40 (1) Apr 36-41 Wa
Trypanosoma cruzi, both antibodies and cells taken from mice 15 days after infection can kill parasite-modified mammalian cells in vitro, lymphocytes taken at 60 days can kill unmodified syngeneic cells in vitro

Immunity
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1980 Parasite Immunol 2 (1) Spring 1-10 Wa
Trypanosoma cruzi, binding of parasite antigens to membranes of infected and uninfected mammalian cells

Immunity
Sauvager F; Fabiani G; Fauconnier B
1979 Ann Microbiol 130 A (3) Apr 373-383 Wa
Plasmodium berghei, mice infected by various doses, interferon production; chloroquine treatment and splenectomy reduced Plasmodium development and interferon production

Immunity
Sayles PC et al
1981 J Parasitol 67 (4) Aug 585-586 Wa
Leishmania mexicana-infected Mystromys albicaudatus (exper.), specific antibody response, solid phase radioimmunoassay, magnitude of antibody response correlates both with time postinfection and type and progression of cutaneous lesions

Immunity
Schleger AV; Lincoln DT; Kemp DH
1981 Experientia 37 (1) Jan 15 49-50 Wa
Boophilus microplus-infected Bos taurus, mast cell histamine is translocated by eosinophils to attachment site, concentration pattern of histamine appears related to grooming behavior of host, could be important aspect of tick rejection mechanism

Immunity
Schmunis GA et al
1980 Exper Parasitol 50 (1) Aug 90-102 Wa
Trypanosoma cruzi, antibody-induced mobility of surface antigens

Immunity
Schnur LF et al
1981 Ann Trop Med and Parasitol 75 (2) Apr 131-144 Wa
Leishmania strains isolated in Old and New World from human visceral cases, dogs, and wild animals thought to be reservoirs of human visceral leishmaniasis, biochemical and serological taxonomy (nuclear and kinetoplast DNA buoyant densities, excreted factor serotypes, and electrophoretic mobilities of enzymes), ability of L. tropica-like organisms to visceralize, non-L. tropica organisms considered as essentially being single complex that is widely distributed in world

Immunity
Schreiber RD; Feldman HA
1980 J Infect Dis 141 (3) Mar 366-369 Wa
Toxoplasma gondii, human sera, activator system for antibody is identical with classical complement pathway and functions independently of properdin and the alternative complement pathway

Immunity
Scofield AM
1980 Experientia 36 (12) Dec 15 1404-1405 Wa
Nippostrongylus brasiliensis, rats, primary vs. secondary infections, intestinal glucose absorption and metabolism, pattern of changes probably related to host immunological activity

Immunity
Scott MT
1981 Parasite Immunol 3 (3) Autumn 209-218 Wm
Trypanosoma cruzi, mice recovered from acute infection, results from cell fractionation and passive transfer studies indicate that protective immunity is predominantly B cell-mediated with T cell involvement being restricted to helper role

Immunity
Seed JR; Bogucki MS; Merritt SC
1980 Ohio State Univ Biosc Colloq (5) 131-143 Wm; Wa
trypanosomes, interactions between cell surface and immunoglobulins (host serum components, variant specific antibody), trypanosomes appear to have evolved at least 2 distinct mechanisms for escaping host's immune response, review

Immunity
Selkirk ME; Sacks DL
1980 Tropenmed u Parasitol 31 (4) Dec 435-438 Wa
Trypanosoma brucei, immunosuppression in 2 mouse strains which differ considerably in their ability to survive infection, results confirm that variation in susceptibility to infection is related to ability to mount IgM response

Immunity
Sethi KK; Brandis H
1981 Ann Immunol 132C (1) Jan-Feb 29-41 Wa
Toxoplasma gondii, in vitro immunization of mouse spleen cells, isolation and cloning of hybridomas producing monoclonal antibodies following fusion of in vitro-immunized spleen cells with mouse myeloma cells, characterization of Ig class of antibody produced by hybridomas, reactivities of monoclonal antibodies in different serological assays

Immunity
Sethi KK; Endo T; Brandis H
1981 Immunol Letters 2 (5-6) Mar 343-346 Wa
Toxoplasma gondii trophozoites precoated with specific monoclonal antibodies cannot survive within normal (non-immune) murine macrophages

Immunity
Sharma P; Singh K; Dutta GP
1978 Indian J Med Research 67 Mar 374-380 Wa
Entamoeba histolytica, growth patterns in axenic culture using different sera; antisera produced in rabbits analyzed for gel-diffusion precipitin bands, haemagglutinins, and growth inhibitory activity against trophozoites

Immunity
Sharma RL; Dhar DN
1979 Ztschr Parasitenk 61 (1) 53-61 Wa
Oesophagostomum columbianum, lambs, immunization using irradiated third stage larvae, effect on subsequent larval development and immune response; presence of migrating adult worms in mesentery, first report

Immunity
Shaw JJ; Lainson R
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 254-257 Wa
cutaneous and mucocutaneous leishmaniasis, Chagas disease, human, IgA and IgG antibodies, Leishmania mexicana amazonensis and Trypanosoma cruzi as antigens in immunofluorescent tests

Immunity
Sheikh NA
1979 Pakistan J Scient Research Lahore 31 (3-4) 115-122 Wa
Rhipicephalus appendiculatus, rabbits (exper.), humoral response

Immunity
Sher A
1979 Immune Mech and Dis 235-251 Wm; Wa
Schistosoma mansoni-infected mouse model used to study immunity and immune evasion in schistosomiasis, review

Immunity
Sher A; Moser G
1981 Am J Path 102 (1) Jan 121-126 Wa
Schistosoma, immunologic properties of developing schistosomula, evidence suggests that evasion of host immune response involves multiple overlapping mechanisms (development of refractory tegument, permanent loss of surface antigens, masking of parasite antigens by host molecules, and possibly decrease in immunogenicity), symposium presentation

Immunity
Shirahata T; Shimizu K
1980 Microbiol and Immunol 24 (11) 1109-1120 Wa
Toxoplasma gondii, production and properties of immune interferon from spleen cell cultures of infected mice

Immunity
Shubber AH; Lloyd S; Soulsby EJL
1981 Ztschr Parasitenk 65 (2) 181-189 Wa
Nematospiroides dubius, mice, immunization, effect of lactation on protective immune response to challenge infection, colostral transfer of immunity to offspring; Haemonchus contortus, ewes (exper.), effect of pregnancy and lactation on immune response

Immunity
Siau Y
1980 Ztschr Parasitenk 62 (1) 1-6 Wa
Myxobolus exiguus, lyophilized antigens injected into rabbits and Mugil cephalus, presence of antibodies in serum evaluated by several immunologic techniques

Immunity
Siebert AE et al
1981 Exper Parasitol 51 (3) June 418-430 Wa
Taenia crassiceps, primary and secondary infections in 2 strains of mice, serum immunoglobulin levels, cestode larval surface immunoglobulins

Immunity
Siebert AE jr; Good AH
1980 Exper Parasitol 50 (3) Dec 437-446 Wa
Taenia crassiceps, BALB/c and BDF1 mice, kinetics of primary and secondary infections in vivo, effect of immune serum on larvae in vitro, comparison with previous studies using C3H mice

Immunity
Singh M et al
1980 J Helminth 54 (2) June 147-153 Wa
Brugia malayi-infected Meriones unguiculatus, indirect fluorescent antibody technique, microfilarial and adult worm antigens, antibody levels in microfilaraemic hosts, antibody titres during course of infection and after diethylcarbamazine treatment

Immunity
Singh M et al
1980 J Helminth 54 (2) June 155-159 Wa
Breinlia booliati-infected rats, indirect immunofluorescent antibody technique, microfilarial and adult worm antigens, antibody levels in microfilaraemic rat sera, post-patent rat sera, and amicrofilaraemic rat sera

Immunity
Singhal KC et al
1977 Indian J Helminth 28 (1) Mar 1976 43-53
Issued Oct 26 Wa
Setaria cervi, intraperitoneal implantation in rats, changes in leucocyte pattern of host during a six-week period

Immunity
Sirag SB et al
1980 Parasitology 80 (3) June 479-486 Wa
Echinostoma revolutum, homologous and heterologous (Schistosoma spp.) resistance in infections in mice

Immunity
Smeal MG; Fraser GC; Robinson GG
1980 Austral Vet J 56 (2) Feb 80-86 Wa
cattle nematodes, proportions of inhibited larvae in population make-up in 3 climatic regions, seasonal trends of inhibition may be due to strain differences, climatic factors, immunity, worm density-dependence: New South Wales

Immunity
Smithers SR; Gammage K
1980 Parasitology 80 (2) Apr 289-300 Wa
Schistosoma mansoni, mice, new or improved techniques for recovering schistosomula from skin, lungs, and liver used to trace attrition of challenge infection in naive vs. chronically-infected hosts, evidence for 2 distinct mechanisms of immunity against re-infection

Immunity
Smithers SR; Miller KL
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 832-841 Wa
Schistosoma mansoni, mice, protective immunity, evidence for 2 distinct mechanisms, review

Immunity
Smrkovski LL; Reed SG; Larson CL
1980 Am J Trop Med and Hyg 29 (1) Jan 16-20 Wa
Leishmania donovani, cortisone and cyclophosphamide suppress protective effects of BCG in mice challenged with amastigotes

Immunity
Snider TG III et al
1981 Vet Parasitol 8 (2) May 173-183 Wa
Ostertagia ostertagi, calves (exper.), single doses of larvae followed by increasing multiple inoculation series, fecal egg counts, plasma pepsinogen levels, inhibited larval development, abomasal lesions, host immunological response suggested by lymphoid cell infiltration in mucosa

Immunity
Sogandares-Bernal F et al
1981 J Parasitol 67 (4) Aug 591-592 Wa
Mesocestoides corti tetrathyridia in Macaca fascicularis (omentum, liver, peritoneal cavity) (exper.), 500-fold increase in parasite burden in splenectomized vs. intact host, detection of circulating antigens in serum

Immunity
Sollod AE; Frank GH
1979 Am J Vet Research 40 (5) May 658-664 Wa
Trypanosoma congolense, cattle (exper.), humoral immune response to nontrypanosomal antigens, peripheral blood lymphocyte responsiveness, no evidence that immunodepression is major pathologic mechanism in acute bovine infection

Immunity
Srivastava VML et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 104-105 Wa
Litomosoides carinii in Sigmodon hispidus vs. albino rats, difference in pattern of hepatic glycogen appears to have some bearing on host immune status

Immunity
Stagno S et al
1980 Pediatrics Am Acad Pediat 66 (1) July 56-62 Wa
Pneumocystis carinii pneumonia, immunocompetent infants, diagnosis by counterimmunoelectrophoresis or by open lung biopsy

Immunity
Stek M jr; Dean DA; Clark SS
1981 Am J Trop Med and Hyg 30 (5) Sept 1033-1038 Wa
Schistosoma mansoni, attrition of challenge worms in irradiation-attenuated cercaria-immunized mice as function of site and time

Immunity
Stromberg BE
1980 J Immunol 125 (2) Aug 833-836 Wm
Ascaris suum, potentiation of reaginic (IgE) antibody response to ovalbumin in guinea pigs using soluble parasite metabolic product

Immunity
Stumpf JL; Gilbertson DE
1980 J Invert Path 35 (2) Mar 217-218 Wa
Schistosoma mansoni-infected Biomphalaria glabrata, differential leukocytic response of hemocytes (significant increase of granulocytes, constant level of hyalinocytes)

Immunity
Suemura M et al
1980 J Immunol 125 (1) July 148-154 Wm
Nippostrongylus brasiliensis, regulatory role of IgE-binding factors from rat T-lymphocytes, mechanism of enhancement of IgE response by IgE-potentiating factor

Immunity
Sulzer AJ et al
1981 Ann Trop Med and Parasitol 75 (4) Aug 375-381 Wm
Plasmodium vivax, human, malaria antibody (indirect immunofluorescence) and parasitaemia patterns in one immune (native Jivaro Indians) and one non-immune (oil field workers) population in malarious area of northern Peru

Immunity
Suzuki T; Damian RT
1981 Am J Trop Med and Hyg 30 (4) July 825-835 Wa
Schistosoma mansoni-infected Papio cynocephalus, development of antibodies to adult worm, egg, and cercarial antigens during acute and chronic infections, immunoglobulin classes, enzyme-linked immunosorbent assay, radioallergosorbent, indirect hemagglutination, circumoval precipitin, and slide flocculation tests

Immunity
Tabel H et al
1981 Tropenmed u Parasitol 32 (3) Sept 149-153 Wa
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Immunity
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Immunity
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Immunity
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Brugia malayi, efficient clearance of injected microfilariae in CBA/H mice in contrast to prolonged microfilaremia in CBA/N mice, CBA/N mice have delayed IgG and deficient IgM response in comparison to CBA/H mice, development of acquired resistance in CBA/H but not in CBA/N mice

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Immunity
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Immunity
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Immunity
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Immunity
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1980 Rinsho Ketsueki (Japan J Clin Hematol) 21 (7) July 999-1006 Wm
angio-immunoblastic lymphadenopathy with dysproteinemia, woman, associated with elevated anti-Toxoplasma antibody, anti-DNA antibody, and cold hemagglutinin titer, after therapy with mercaptoethylamine anti-Toxoplasma antibody titers were no longer present

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Nippostrongylus brasiliensis, expulsion by mice deficient in mast cells not different from control mice, possible role of goblet cells in self-cure reaction

Immunity
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1981 J Immunol 126 (2) Feb 669-672 Wm
Giardia muris in C3H/He (susceptible) vs. BALB/c (resistant) mice, ability to resist 2nd infection at various times after drug cure of primary infection, ability of infected females to protect their suckling neonates from challenge infection

Immunity
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Nippostrongylus brasiliensis-infected rats, IgE-B cell generating factor from lymph node cells, major source of this factor is IgE-, IgD-, IgM-triple bearing cells, regulation of factor formation by anti-immunoglobulin

Immunity
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1980 Tr Roy Soc Trop Med and Hyg 74 (6) 726-729 Wa
African trypanosomiasis in domestic animals, pathogenesis (anemia, tissue lesions, immunosuppression), immunology (prospects for vaccination, 'non-sterile immunity'), symposium presentation

Immunity
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1981 Vet Rec 108 (9) Feb 28 180-182 Wa
Dictyocaulus viviparus, calves, levamisole or fenbendazole treatment followed by reinfection, clinical signs, worm burdens, pathology, incompletely developed immune response, concluded that any system of 'control' which depends on drug therapy and reinfection is unpredictable and that vaccination offers only effective method of prophylaxis

Immunity
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Immunity
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Schistosoma mansoni, unpurified peripheral blood leucocytes or purified eosinophils and neutrophils from patients or from normal individuals were compared for ability to interact with antibody-coated schistosomula

Immunity
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1980 J Immunol 124 (3) Mar 1441-1448 Wm
Schistosoma mansoni, stable and irreversible antibody-dependent adherence of eosinophils to schistosomula, adherence of neutrophils is less extensive and is readily reversible

Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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Immunity
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1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 361-381 Wa
Ancylostoma caninum, Rattus norvegicus (exper.) simultaneously treated with prednisolone trimethylacetate and infected with parasite larvae, host natural resistance apparently not affected by hormone therapy as no adult parasites were found at necropsy

Immunity
Vinayak VK et al
1980 Trop and Geogr Med 32 (4) Dec 298-302 Wa
Entamoeba histolytica, patients with amoebic colitis or hepatic abscess, cell-mediated immune response (CMIR) and humoral antibody response studied using various serologic tests, no clear-cut correlations between CMIR and humoral antibody response were found but CMIR appears to be altered in amoebic patients during acute illness

Immunity
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1980 Tr Roy Soc Trop Med and Hyg 74 (4) 483-487 Wa
Entamoeba histolytica, guinea-pigs, protective effects of crude and chromatographic fractions of axenic amoebic antigen, antibody response (indirect haemagglutination, counter-current immunoelectrophoresis)

Immunity
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1981 Tr Roy Soc Trop Med and Hyg 75 (1) 32-37 Wa
Entamoeba histolytica isolates from symptomatic and asymptomatic patients, virulence in rats compared with serological responses in rats and patients

Immunity
Vinayak VK et al
1981 Ann Trop Med and Parasitol 75 (2) Apr 265-267 Wa
Giardia lamblia, mice, adoptive transfer of immunity with immune spleen cells, immune serum failed to protect mice from infection

Immunity
Vinayak VK et al
1981 Ann Trop Med and Parasitol 75 (4) Aug 397-400 Wm
Entamoeba histolytica, rats fed low protein diet were more susceptible to infection and had severe caecal lesions compared with controls, hepatic lesions seen in one animal fed low protein diet for 14 days, malnourished rats had lower indirect haemagglutinating antibody titres than controls

Immunity
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Plasmodium berghei-infected mice immunodepressed with cortisone or whole body irradiation, immunodepression afforded protection against parasite

Immunity
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1980 J Parasitol 66 (3) June 448 Wa
Brugia pahangi infections in normal vs. nude mice, results suggest resistance is directed against immature stages and depends upon presence of T-lymphocytes

Immunity
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Schistosoma mansoni, proteins from schistosomula stage divided into groups by molecular weight and used as antigens to immunize mice, animals immunized with 2 groups developed high degree of resistance

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Ancylostoma caninum, mice, adoptive transfer of immunity with sensitized lymphoid cells

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Immunity
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Trichinella spiralis, adoptive transfer of immunity between inbred strains of mice characterized by rapid and slow immune expulsion used to analyze role of immune and inflammatory events in determining strain-characteristic time of worm expulsion

Immunity
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Immunity
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Trichinella spiralis, immunity in irradiated mice

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Immunity
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Immunity
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Pneumocystis carinii, rats, antibody titers and immunoglobulin levels in serum and bronchial lavage fluid, effects of steroid administration, steroid withdrawal, and prolonged environmental exposure to P. carinii on development of these humoral immune responses

Immunity
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Dirofilaria immitis, dogs (exper.), parasite-specific humoral (IgG (enzyme-linked immunosorbent assay) and IgE (passive cutaneous anaphylaxis) titers) and cellular (lymphocyte transformation) immune responses, results consistent with observations in other host-parasite systems which suggest that in chronic tissue helminth infections cellular responses to parasite antigens are depressed while antibody reactions to the same antigens are relatively preserved

Immunity
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1981 Berl u Munchen Tierarztl Wchnschr 94 (8) Apr 15 150-153 Wa
Trypanosoma congolense, mice inoculated with parasites pretreated with anti-BoLA (Bovine Lymphocyte Antigens), altered infectivity and pathogenicity

Immunity
Weiss N
1978 Acta Trop 35 (2) June 137-150 Wa
Dipetalonema viteae, course of primary infection in 2 strains of hamster, microfilaraemia in relation to worm burden and humoral immune response, effect of neonatal thymectomy and splenectomy

Immunity
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Dipetalonema viteae, immunogenicity of surface of different larval stages, host differences, stage-specificity

Immunity
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1981 Exper Parasitol 52 (2) Oct 219-232 Wa
Trypanosoma congolense, cattle, investigations of natural and acquired resistance with reference to age resistance, self-cure, chemotherapeutic cure, blood- vs. tsetse fly-induced infections, and challenge with homologous vs. heterologous strains

Immunity
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1980 Clin and Exper Immunol 39 (3) Mar 663-667 Wm
Plasmodium falciparum- or P. vivax-infected Thai adults, cold-reactive anti-lymphocytotoxic antibodies in sera, may play role in modulating immune response of patients toward malaria

Immunity
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Immunity
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Trypanosoma congolense in susceptible mouse strain vs. trypanotolerant mouse strain, host survival, parasitemia and anemia, erythrocyte survival, plasma and erythrocyte volumes, blood biochemistry, immunoglobulin levels, immunosuppression, infectivity neutralization tests on sera, results indicate ability of resistant mice to survive is dependent on humoral antibody

Immunity
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host resistance to tick-borne pathogens by virtue of resistance to tick infestation, experiments with Dermacentor andersoni-resistant and non-resistant rabbits using tick-borne bacterium Francisella tularensis

Immunity
Wikel SK
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Dermacentor andersoni, guinea pigs, induction of host resistance to infestation with salivary gland antigen, potential for immunologic approach to vector control

Immunity
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Immunity
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Immunity
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1980 Parasite Immunol 2 (4) Winter 261-275 Wa
Taenia solium larvae (Cysticercus cellulosae) in pig muscle surrounded by inflammatory reaction with general characteristics of chronic granuloma, ultrastructural and light microscopic observations, indications that this is an immunological reaction

Immunity
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1980 Nature London (5755) 284 Apr 3 451-452 Wa
Plasmodium falciparum, serotyping isolates using S-antigens as markers

Immunity
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nature of immunity in male bovine reproductive tract based upon responses to Campylobacter fetus and Trichomonas fetus, review

Immunity
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Trypanosoma danilewskyi in Carassius auratus, effects of inoculum size on host mortality, all surviving fish were protected from re-infection, plasma from these fish can passively transfer immunity to naive fish and neutralize infectivity of trypanosomes incubated in vitro

Immunity
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malaria, cellular aspects of immunoregulation, review

Immunity
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Toxoplasma gondii, patients with toxoplasmal retinochoroiditis vs. seropositive and seronegative controls, antibody titers, in vitro lymphoproliferative responses to toxoplasmal and retinal antigens, observations raise possibility of autoimmune component in pathogenesis of relapses in toxoplasmal retinochoroiditis

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Plasmodium, role of spleen in malaria infections, review

Immunity
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Nippostrongylus brasiliensis-infected rats, formation of IgE-binding factor by T lymphocytes

Immunity
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1980 Exper Parasitol 49 (3) June 339-352 Wa
Angiostrongylus cantonensis raised in permissive or nonpermissive hosts, pulmonary arterial transfers into permissive or nonpermissive hosts, subsequent survival, growth, and egg-laying capacity, histopathology, antibody production

Immunity
Yoshimura K et al
1980 Japan J Vet Sc 42 (5) Oct 567-572 Wa
Angiostrongylus cantonensis, transfer of young adult worms from Praomys natalensis and mice to pulmonary arteries of rats immunized against donor hosts' antigens, findings suggest that no harmful 'host antigen' effect occurs in intra-cranial-stage worms of A. cantonensis

Immunity
Yousif F; Blaehser S; Laemmler G
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Angiostrongylus cantonensis-infected Marisa cornuarietis (exper.), cellular responses involved focal and generalized proliferative reactions

Immunity
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1980 Ztschr Parasitenk 62 (3) 231-240 Wa
Toxoplasma gondii, Trichinella spiralis, single and double infections in mice, antibody production, number of Toxoplasma brain cysts, Trichinella worm burden, host body weight

Immunity
Zahner H et al
1980 Ztschr Parasitenk 64 (1) 17-28 Wa
Capillaria hepatica in Mastomys natalensis (exper.), immunization with embryonated infective eggs, X-irradiated infective eggs, nonembryonated eggs, and soluble egg extracts, effect on worm reproductivity and on host immunity

Immunity
Zahner H et al
1981 Ztschr Parasitenk 65 (1) 107-116 Wa
Capillaria hepatica, irradiated vs. untreated eggs in Mastomys natalensis (exper.), macroscopic liver changes, nematode egg production in liver, serum-GLDH activity, antibody titres

Immunity
Zaino EC; Amelkin S
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babesiosis, man, probably infected when bitten by tick while on camping trip, brief case report; importance of babesiosis infection in persons who have had splenectomy or who are immunosuppressed

Immunity
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1980 Biochem and Exper Biol 16 (3) 295-299 Wa
antitoxoplasmic antibody titer is lower in pregnant than in nonpregnant women

Immunity
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Dactylogyrus spp. in Carassius auratus, change in parasite abundance as a function of host immunophysiological state and water temperature

Immunity
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1981 Berl u Munchen Tierarztl Wchnschr 94 (11-12) June 1 223-228 Wa
Sarcocystis suicanis, pigs (exper.), pathology, development of immunity

Immunity
Zwart D; Brocklesby DW
1979 Advances Parasitol 17 49-113 Wa
babesiosis, non-specific resistance, immunology, pathogenesis, extensive review

Immunity, Adjuvants See Immunopotentiation

Immunity, Adoptive See Immunity, Passive

Immunity, Agar gel diffusion See Immunity, Precipitation

Immunity, Agglutination
Adams DB; Beh KJ
1981 Internat J Parasitol 11 (5) Oct 381-386 Wa
Haemonchus contortus, sheep undergoing sequence of primary, secondary, then tertiary infection, induction of acquired immunity, haemagglutinating antibody titres

Immunity, Agglutination
Aikat BK et al
1979 Indian J Med Research 70 Oct 592-597 Wa
kala-azar, diagnosis in human subjects sampled from endemic area, counter immunoelectrophoresis, distinct relationship between test positivity, splenic size, and duration of illness, comparison with other serological tests: Bihar

Immunity, Agglutination
Alam SM et al
1981 J Ass Physicians India 29 (1) Jan 19-24 Wm
Entamoeba histolytica, human intestinal and extraintestinal invasive infection, diagnosis, indirect haemagglutination test vs. intradermal test

Immunity, Agglutination
Alper EI; Littler C; Monroe LS
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E[ntamoeba] histolytica, humans, diagnosis, counterelectrophoresis using axenic antigen gives results in close agreement with agar gel diffusion precipitin and latex agglutination

Immunity, Agglutination
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1980 Bull Soc Path Exot 73 (1) Jan-Feb 89-99 Wa
Echinococcus granulosus, human, diagnostic value and limitations of micro-ELISA, test results compared with those using indirect agglutination and immunofluorescence

Immunity, Agglutination
Ambroise-Thomas P; Desgeorges PT; Bouttaz M
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fascioliasis, human and bovine, diagnosis by means of the enzyme-linked immunosorbent assay, detection of circulating antigens and antibodies, results compared favorably with those of the immunofluorescence and indirect haemagglutination tests

Immunity, Agglutination
Amerault TE et al
1980 Am J Vet Research 41 (3) Mar 435-438 Wa
Anaplasma marginale, cattle, effect of phenol on card-agglutination and micro-complement-fixation tests

Immunity, Agglutination
Amerault TE; Rose JE: Kuttler KL
1981 Am J Vet Research 42 (6) June 1055-1056 Wa
Anaplasma marginale, cows, comparative titration of antibodies by card agglutination and complement-fixation tests

Immunity, Agglutination
Ansari MZ; Singh KS
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Gaigeria pachyscelis, lambs vaccinated with irradiated and non-irradiated larvae, indirect haemagglutination test for detection of serum antibodies

Immunity, Agglutination
Apt W et al
1978 Rev Med Chile 106 (1) Jan 16-18 Wm
Trypanosoma cruzi, humans, serological survey, direct agglutination reaction (DAR) compared with indirect agglutination, DAR considered excellent screening test for epidemiological surveys: Chile

Immunity, Agglutination
Apt W; Perez C; Sandoval J
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T[rypanosoma] cruzi, humans, prevalence of Chagasic infection of blood bank samples analyzed using the indirect hemagglutination test: Chile

Immunity, Agglutination
Ardehali S et al
1980 Ann Trop Med and Parasitol 74 (4) Aug 439-445 Wa
cutaneous leishmaniasis, human, chronic (lupoid) form, clinical aspects, histology, skin tests with leishmanin and PPD, indirect fluorescent antibody and direct agglutination tests: Iran

Immunity, Agglutination
Aspoeck H
1980 Med Lab 33 (9) Sept 240-248 Wm
Toxoplasma, humans, diagnosis, immunological test comparisons (immunofluorescence, Sabin-Feldman dye test, complement fixation, indirect hemagglutination test)

Immunity, Agglutination
Balfour AH; Bridges JB; Harford JP
1980 J Clin Path 33 (7) July 644-647 Wa
Toxoplasma gondii, evaluation of ToxHA test for detection of antibodies in human serum, comparison with dye test

Immunity, Agglutination
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1980 Bol Chileno Parasitol 35 (3-4) July-Dec 62-66 Wm
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1980 Medicina Buenos Aires 40 Suppl (1) 258-259 Wm
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Immunity, Agglutination
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Immunity, Agglutination
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Immunity, Agglutination
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1980 Arch Invest Med 11 (3) 347-359 Wm
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1980 Vet Parasitol 7 (1) June 33-38 Wa
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Immunity, Agglutination
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Toxoplasma gondii, diagnosis, latex agglutination

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Immunity, Agglutination
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Immunity, Agglutination
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1980 J Clin Path 33 (9) Sept 841-844 Wa
Toxoplasma gondii, diagnosis, enzyme-linked immunosorbent assay (ELISA) vs. dye test and indirect haemagglutination test, ELISA offers no clear advantage in routine serological diagnosis but would be useful in population screening if method were standardised

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Immunity, Allergy
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Ornithodoros moubata, immunized and non-immunized rabbits, no differences in weight gain and weights of replete ticks, course of drop off, and drop off and moulting rate; reaginic antibodies to soluble salivary gland antigen not demonstrable by passive cutaneous anaphylaxis test; intensive antibody formation occurred in immunized and non-immunized rabbits, enzyme-linked immunosorbent assay; no immunity to 2nd nymphal instars developed

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1981 J Parasitol 67 (1) Feb 15-19  Wa
Haemaphysalis spinigera, Rhipicephalus s. sanguineus, skin reaction after intracutaneous injection of salivary gland extract into sensitized and nonsensitized rabbits, indicates that ticks' saliva contains pharmacodynamic substance (closely related to histamine) in addition to having antigenic properties

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1981 Am J Trop Med and Hyg 30 (4) July 836-843 Wa
Schistosoma mansoni, multiply-infected Papio cynocephalus, antibody responses, immunoglobulin classes (enzyme-linked immunosorbent assay, slide flocculation, circumoval precipitation, passive cutaneous anaphylaxis, and opsonization tests), immediate hypersensitivity responses (cercarial dermatitis, direct skin testing with adult worm antigen)

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Doy TG; Hughes DL; Harness E
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Hypoderma sp., cattle, demonstration of anaphylactic antibodies

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1980 Am J Vet Research 41 (6) June 877-882 Wa
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Immunity, Allergy
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Immunity, Allergy
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Immunity, Allergy
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Immunity, Allergy
Vardhani V; Johri GN
1981 J Hyg Epidemiol Microbiol and Immunol 25 (1) 31-34 Wa
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Immunity, Allergy
Weissberger D et al
1981 J Allergy and Clin Immunol 67 (5) May 357-362 Wm
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Immunity, Allergy
Willadsen P
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Immunity, Anaphylaxis See Immunity, Allergy

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Albright JW; Albright JF
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Immunity, Antibody-dependent cell-mediated
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Immunity, Antibody-dependent cell-mediated
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1980 Internat Arch Allergy and Applied Immunol 63 (3) 351-354 Wa
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Immunity, Antibody-dependent cell-mediated
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Immunity, Antibody-dependent cell-mediated
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Immunity, Antibody-dependent cell-mediated
Butterworth AE; Vadas MA
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Immunity, Antibody-dependent cell-mediated
Capron A et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 849-857 Wa
Schistosoma mansoni, rats, evidence for participation of anaphylactic antibodies in antibody-dependent cell-mediated cytotoxicity to schistosomes (IgE-macrophage interaction and IgG2a-eosinophil interaction), immune mechanisms regulating effector cell function, in vivo relevance, review

Immunity, Antibody-dependent cell-medaited
Capron A et al
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Immunity, Antibody-dependent cell-mediated
Capron A; Dessaint JP; Capron M
1980 J Allergy and Clin Immunol 66 (2) Aug 91-96 Wa
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Immunity, Antibody-dependent cell-mediated
Capron M et al
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Immunity, Antibody-dependent cell-mediated
Capron M et al
1981 J Immunol 126 (6) June 2087-2092 Wm
Fc receptors for IgE on human and rat eosinophils, proportion of eosinophils bearing these receptors was significantly higher when eosinophils were obtained from hypereosinophilic patients or from Schistosoma mansoni-infected rats, role of these receptors in relation to dual function of eosinophils in antibody-dependent cytotoxicity and in regulation of immediate-type hypersensitivity

Immunity, Antibody-dependent cell-mediated
Capron M et al
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Immunity, Antibody-dependent cell-mediated
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Immunity, Antibody-dependent cell-mediated
Caulfield JP et al
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Immunity, Antibody-dependent cell-mediated
Caulfield JP et al
1980 J Cell Biol 86 (1) July 64-76 Wa
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Immunity, Antibody-dependent cell-mediated
David JR et al
1980 N England J Med 303 (20) Nov 13 1147-1152 Wa
Schistosoma mansoni, eosinophils from patients with eosinophilia exhibit enhanced capacity to kill schistosomula in presence of antischistosomular serum in vitro, this enhanced killing ability correlated with number of eosinophils in peripheral blood whether or not patient had schistosomiasis

Immunity, Antibody-dependent cell-mediated
David JR; Butterworth AE; Vadas MA
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 842-848 Wa
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Immunity, Antibody-dependent cell-mediated
Davies C; Goose J
1981 Parasite Immunol 3 (2) Summer 81-96 Wa
Fasciola hepatica, killing of newly excysted juveniles in previously sensitized rats observed by light, scanning electron, and transmission electron microscopy, involvement of eosinophils and mast cells, neutrophils not actively involved in early stages of immune damage, C3 not bound to surface of challenge flukes either in vivo or in vitro in immune serum

Immunity, Antibody-dependent cell-mediated
Dessaint JP et al
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Immunity, Antibody-dependent cell-mediated
Dessein A et al
1981 Parasitology 82 (3) June 357-374 Wa
Schistosoma mansoni, immune evasion, loss of susceptibility to antibody- or complement-dependent eosinophil attack by schistosomula cultured in medium free of macromolecules

Immunity, Antibody-dependent cell-mediated
Doy TG; Hughes DL; Harness E
1980 Research Vet Sc 29 (1) July 98-101 Wa
Fasciola hepatica, selective in vitro adherence by rat eosinophils to newly excysted flukes in presence of immune serum (independent of complement, not affected by age of sensitizing infection, and not induced by artificially raised antisera to dead fluke antigens)

Immunity, Antibody-dependent cell-mediated
Duffus WPH; Franks D
1980 Clin and Exper Immunol 41 (3) Sept 430-440 Wa
Fasciola hepatica, in vitro effect of immune serum and bovine neutrophils and eosinophils on juvenile flukes

Immunity, Antibody-dependent cell-mediated
Glauert AM; Oliver RC; Thorne KJI
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interaction of human eosinophils and neutrophils with inert antibody-coated non-phagocytosable surface is closely similar to their interaction with antibody-coated Schistosoma mansoni schistosomula, model for studying cell-mediated cytotoxic reactions

Immunity, Antibody-dependent cell-mediated
Greene BM; Taylor HR; Aikawa M
1981 J Immunol 127 (4) Oct 1611-1618 Wm
Onchocerca volvulus, eosinophil- and neutrophil-mediated immune serum-dependent destruction of microfilariae, IgG identified as antibody class binding to microfilariae, enhancement of killing in presence of fresh serum source in mechanism that appears to be dependent on activation of complement by alternative pathway

Immunity, Antibody-dependent cell-mediated
Haque A et al
1980 Clin and Exper Immunol 40 (3) June 487-495 Wa
Dipetalonema viteae, IgE antibody-mediated adherence and cytotoxicity of rat macrophages against microfilariae in vitro

Immunity, Antibody-dependent cell-mediated
Haque A et al
1981 J Immunol 127 (2) Aug 716-725 Wm
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Immunity, Antibody-dependent cell-mediated
Hopper KE et al
1981 Clin and Exper Immunol 45 (3) Sept 633-641 Wa
Litomosoides carinii, enhanced adhesion of rat neutrophils to microfilariae in presence of culture supernatants from mitogen-stimulated lymph node cells, results suggest that cell-mediated immune reactions leading to lymphokine production may potentiate antifilarial antibody-dependent cellular cytotoxicity and general phagocytosis by neutrophils

Immunity, Antibody-dependent cell-mediated
Hunter KW jr et al
1981 Immunol Letters 2 (4) Jan 209-212 Wa
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Immunity, Antibody-dependent cell-mediated
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Immunity, Antibody-dependent cell-mediated
Johnson P et al
1981 Parasite Immunol 3 (1) Spring 69-80 Wa
Brugia pahangi, serum-mediated adherence of feline eosinophils and neutrophils to microfilariae in vitro, involvement of IgG and complement, effect of age or origin of microfilariae

Immunity, Antibody-dependent cell-mediated
Kazura JW
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Trichinella spiralis, in vitro study of capacity of human leukocytes in presence of serum from infected individuals and complement to destroy newborn larvae, results show that host defense is in part mediated by granulocytes and dependent on presence of IgG antibodies directed against migratory parasitic stage

Immunity, Antibody-dependent cell-mediated
Kazura JW et al
1981 J Clin Invest 67 (1) Jan 93-102 Wa
Schistosoma mansoni, role of cell-generated hydrogen peroxide in granulocyte-mediated killing of schistosomula in vitro

Immunity, Antibody-dependent cell-mediated
Kazura JW; Aikawa M
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Trichinella spiralis, eosinophil-mediated destruction of newborn larvae in vitro in presence of immune mouse serum, ultrastructural analysis of cell-parasite interaction; neutrophils were significantly less cytotoxic and mononuclear cells did not kill

Immunity, Antibody-dependent cell-mediated
Kierszenbaum F; Ackerman SJ; Gleich GJ
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Trypanosoma cruzi, destruction of bloodstream forms by eosinophil granule major basic protein

Immunity, Antibody-dependent cell-mediated
Kierszenbaum F; Hayes MM
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Trypanosoma cruzi, antibody-dependent killing of circulating forms by human or mouse leucocytes, human and mouse effector cell types

Immunity, Antibody-dependent cell-mediated
Kipnis TL et al
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Immunity, Antibody-dependent cell-mediated
McKean JR; Anwar ARE; Kay AB
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Schistosoma mansoni, time and course of damage to schistosomula mediated by human eosinophils and neutrophils and by antibody and/or complement in vitro, comparison of schistosomula prepared mechanically or by skin penetration

Immunity, Antibody-dependent cell-mediated
Mackenzie CD et al
1980 European J Immunol 10 (8) Aug 594-601 Wm
Trichinella spiralis, Nippostrongylus brasiliensis, various stages in life cycle, activation of complement and induction of antibodies by cuticle, effects of eosinophils, macrophages, neutrophils, and mast cells on viability of these nematodes following cellular attachment to cuticle via antibodies and/or C

Immunity, Antibody-dependent cell-mediated
Mackenzie CD et al
1981 J Path 133 (2) Feb 161-175 Wa
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Immunity, Antibody-dependent cell-mediated
McLaren DJ
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Schistosoma mansoni, parasite surface in relation to host immunity, monograph

Immunity, Antibody-dependent cell-mediated
Mazingue C et al
1980 Internat Arch Allergy and Applied Immunol 63 (2) 178-189 Wa
Schistosoma mansoni, in vitro and in vivo inhibition of mast cell degranulation by factor obtained from parasite, this factor also inhibited IgG2a antibody-dependent eosinophil cytotoxicity against schistosomula, could partly explain low incidence of clinical allergic manifestations observed in parasitic diseases and might represent escape mechanism of parasite to antibody-dependent eosinophil cytotoxicity mechanism

Immunity, Antibody-dependent cell-mediated
Mehta K et al
1980 Clin and Exper Immunol 41 (1) July 107-114 Wa
Litomosoides carinii, IgE-dependent adherence and cytotoxicity of rat spleen and peritoneal cells to microfilariae, complement may play part in reactions, EDTA, EGTA, and diethylcarbamazine inhibited adherence

Immunity, Antibody-dependent cell-mediated
Mehta K et al
1981 Immunology 43 (1) May 117-123 Wm
Wuchereria bancrofti, nature of immunoglobulin and effector cells involved in antibody-dependent cell-mediated adhesion and cytotoxicity to microfilariae, diethylcarbamazine treatment of elephantiasis cases results in significant reduction in ability of their sera to promote cellular adhesion

Immunity, Antibody-dependent cell-mediated
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Schistosoma mansoni, antibody-dependent killing of TNP-labelled schistosomula in vivo may involve 2 overlapping effector mechanisms, one mediated by radio-sensitive cells (e.g., neutrophils) and one mediated by lytic pathway of complement

Immunity, Antibody-dependent cell-mediated
Moser G; Sher A
1981 J Immunol 126 (3) Mar 1025-1029 Wm
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Immunity, Antibody-dependent cell-mediated
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Immunity, Antibody-dependent cell-mediated
Novato-Silva E; Nogueira-Machado JA; Gazzinelli G
1980 Am J Trop Med and Hyg 29 (6) Nov 1263-1267 Wa
Schistosoma mansoni, comparison of killing effect of granulocytes and complement with and without antibody on fresh vs. cultured schistosomula in vitro

Immunity, Antibody-dependent cell-mediated
Okabe K et al
1980 Clin Immunol and Immunopathol 16 (3) July 344-353 Wm
Trypanosoma cruzi, antibody-dependent cell-mediated cytotoxicity to trypomastigote bloodstream forms

Immunity, Antibody-dependent cell-mediated
Ouaissi MA; Haque A; Capron A
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Immunity, Antibody-dependent cell-mediated
Perrudet-Badoux A et al
1981 Vet Parasitol 8 (1) Feb 89-94 Wa
Trichinella spiralis, action of combination of normal rat peritoneal exudate cells and specific antibodies on new-born larvae in vitro, infectivity for mice of new-born larvae after in vitro pre-treatment with immune serum

Immunity, Antibody-dependent cell-mediated
Philipp M et al
1981 J Exper Med 154 (1) July 1 210-215 Wa
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Immunity, Antibody-dependent cell-mediated
Pincus SH et al
1981 J Immunol 126 (5) May 1794-1799 Wm
Schistosoma mansoni, antibody-dependent eosinophil-mediated damage to schistosomula, lack of requirement for oxidative metabolism

Immunity, Antibody-dependent cell-mediated
Prasad R et al
1980 Internat J Parasitol 10 (2) Apr 93-96 Wa
Litomosoides carinii, albino rats, thiamine deficiency, greater susceptibility to infection, synergistic role in immunosuppressive effect of infection; antibody-dependent adhesion of splenic cells to microfilariae

Immunity, Antibody-dependent cell-mediated
Rudin W et al
1980 Tropenmed u Parasitol 31 (2) June 194-200 Wa
Dipetalonema viteae, ultrastructural aspects of antibody-dependent cell-mediated destruction of microfilariae in vitro and within micropore chambers in vivo, correlation between degree of adherence and degree of microfilarial damage, contribution of different cell types to destruction process

Immunity, Antibody-dependent cell-mediated
Sturrock RF et al
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 219-227 Wa
Schistosoma mansoni-infected schoolchildren, heat-labile IgE and heat-stable IgG anti-schistosomular antibodies, relationship to host age, to intensity of infection, and to each other: Kenya

Immunity, Antibody-dependent cell-mediated
Tanner M; Weiss N
1978 Acta Trop 35 (2) June 151-160 Wa
Dipetalonema viteae, antibody-dependent adhesion of peritoneal exudate cells to microfilariae in vitro

Immunity, Antibody-dependent cell-mediated
Vadas MA et al
1980 Clin and Exper Immunol 39 (3) Mar 683-694 Wm
Schistosoma mansoni, unpurified peripheral blood leucocytes or purified eosinophils and neutrophils from patients or from normal individuals were compared for ability to interact with antibody-coated schistosomula

Immunity, Antibody-dependent cell-mediated
Vadas MA et al
1980 J Immunol 124 (3) Mar 1441-1448 Wm
Schistosoma mansoni, stable and irreversible antibody-dependent adherence of eosinophils to schistosomula, adherence of neutrophils is less extensive and is readily reversible

Immunity, Antigenic variation [See also Immunity, Antigens]

Immunity, Antigenic variation
Agabian N et al
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1043-1049 Wa
Trypanosoma brucei brucei, development of new serodeme, molecular studies of antigenic variation, use of heterologous DNA probes in isolation of trypanosome genes and analysis of their organization

Immunity, Antigenic variation
Auffret CA; Turner MJ
1981 Biochem J 193 (2) Feb 1 647-650 Wa
Trypanosoma brucei, variant specific antigens exist in solution as glycoprotein dimers

Immunity, Antigenic variation
Barbet AF et al
1981 Parasitology 83 (3) Dec 623-637 Wa
Trypanosoma brucei brucei, identification of fragment containing cross-reacting antigenic determinants in variable surface glycoprotein

Immunity, Antigenic variation
Bloom BR; Tanowitz H; Wittner M
1979 Immune Mech and Dis 69-100 Wm; Wa
mechanisms for escape of immune surveillance by parasites, review (old-time genetic engineering; antigenic variation; antigenic mimicry and concomitant immunity; learning to live in your macrophages; jamming the immune response; subversion of the immune system)

Immunity, Antigenic variation
Boothroyd JC et al
1980 Nature London (5791) 288 Dec 11 624-626 Wa
Trypanosoma brucei, nucleotide sequence data which suggest that primary translation product of one variant surface glycoprotein gene contains hydrophobic tail at carboxy terminus which is not found on isolated mature glycoprotein, data also predict that glycosylated residue is aspartic acid rather than anticipated asparagine

Immunity, Antigenic variation
Borst P et al
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1033-1036 Wa
trypanosomes, genes for variant antigens, review

Immunity, Antigenic variation
Borst P et al
1980 Molec and Biochem Parasitol 1 (4) Aug 221-246 Wa
Trypanosoma spp., characterization of non-kinetoplast DNA by restriction endonuclease digestion, can be used to differentiate species or even strains but not antigenic variants

Immunity, Antigenic variation
Buengener W
1980 Tropenmed u Parasitol 31 (3) Sept 283-287 Wa
Trypanosoma brucei brucei strain STIB 348C, primary and secondary populations of 2 lines of original strain tested in vivo (mice) for resistance against human serum, results suggest development of variant antigenic types with higher resistance to human serum in longstanding infections

Immunity, Antigenic variation
Butcher GA
1979 Bull World Health Organ 57 suppl 1 17-26 Wa
Plasmodium falciparum, P. knowlesi, factors affecting in vitro culture; horse serum may be possible as replacement for human serum for P. falciparum; P. knowlesi may change antigenic specificity in course of adapting to culture

Immunity, Antigenic variation
Carroll M; McCrorie P
1980 Comp Biochem and Physiol 67B (4) 685-688 Wa
Trypanosoma brucei brucei, glycosidases, identification and partial characterization, may play role in turnover of variant-specific surface antigens

**Immunity, Antigenic variation**
**Carroll M; McCrorie P**
**1981 Comp Biochem and Physiol 70B (2) 319-322 Wa**
**Trypanosoma brucei brucei, improvement of standard method for isolation of trypanosomes from infected blood, comparison of physicochemical and kinetic properties of alpha-glucosidase and alpha-mannosidase in bloodstream forms, possible role of these enzymes in processing or catabolism of trypanosomal glycoproteins (in particular variant-specific surface antigen)**

**Immunity, Antigenic variation**
**Cook RM**
**1981 Internat J Parasitol 11 (2) Apr 149-156 Wa**
**Trypanosoma brucei, effects of immune sera on promoting attachment and subsequent ingestion of trypanosomes by peritoneal exudate cells, attachment did not appear to be mediated by variant specific antibodies**

Immunity, Antigenic variation
Cordingley JS; Turner MJ
1980 Molec and Biochem Parasitol 1 (3) June 129-137 Wa
Trypanosoma brucei brucei, isolation of variant specific antigen mRNA by immunoprecipitation of polysomes

**Immunity, Antigenic variation**
**Cordingley JS; Turner MJ**
**1980 Parasitology 81 (3) Dec 537-551 Wa**
**Trypanosoma brucei, polysomes, isolation in bulk and characterization, detection of nascent variant surface antigen on these polysomes**

**Immunity, Antigenic variation**
**Cross GAM et al**
**1980 Am J Trop Med and Hyg 29 (5 pt 2 ) Sept 1027-1032 Wa**
**trypanosomes, antigenic variation, molecular and genetic basis of variant surface glycoprotein (VSG) structure and diversity, control of VSG expression, review**

**Immunity, Antigenic variation**
**Delachambre D**
**1980 Ann Parasitol 55 (1) Jan-Feb 1-11 Wa**
**Trichomonas vaginalis, antigenic analysis of 2 clones from same strain before and after prolonged in vitro cultivation, previous reports of antigenic variation should be questioned**

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Immunity, Antigens
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Immunity, Antigens
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Immunity, Antigens
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1979 Bull World Health Organ 57 suppl 1 123-133 Wa
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Wu YJ; Foor WE
1980 J Parasitol 66 (3) June 439-447 Wa
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Immunity, Antigens
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Immunity, Antigens
Yoshida N et al
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Plasmodium berghei, biosynthesis of Pb44 (protective antigen of sporozoites)

Immunity, Autoimmunity
Aikat BK et al
1979 Indian J Med Research 70 Oct 571-582 Wa
kala-azar, early and late stages, patients, haematological findings, bone marrow picture, presence of complement (C3) on red blood cells demonstrated using anti C3, autoimmune mechanisms may be involved in anemia

Immunity, Autoimmunity
Aikat BK et al
1979 Indian J Med Research 70 Oct 583-591 Wa
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Immunity, Autoimmunity
Allan D et al
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Echinococcus granulosus equinus, BALB/c mice infected either by protoscolices or cyst-passage exhibit non-specific suppression that is capable of causing marked and significant suppression to sheep erythrocytes when their mesenteric lymph node cells are adoptively transferred but there is a significant decrease in numbers of Thy-1 cells in these MLNC transplants, possible function of Ly-2,3$^+$ cells not only as suppressor but as alloreactive cytotoxic cells discussed as possible autoimmune explanation for longevity of parasite within mouse model

Immunity, Autoimmunity
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Immunity, Autoimmunity
Bany J et al
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 105-110 Wa
Trichinella spiralis, T. pseudospiralis, mice, lymphocytotoxicity of sera in course of infection

Immunity, Autoimmunity
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunity, Autoimmunity
Brown KN et al
1980 Bull World Health Organ 58 (3) 449-457 Wa
Plasmodium berghei-infected rats, humoral autoimmune responses to developing reticulocytes, significant levels of cold IgM and IgG isohaemagglutinins detected in serum, infected reticulocytes more sensitive than uninfected cells, results indicate that presence of parasite resulted in exposure of membrane isoantigens normally masked

Immunity, Autoimmunity
Brown KN; Hills LA
1979 Bull World Health Organ 57 suppl 1 135-138 Wa
Plasmodium berghei, rats rendered anemic by phenylhydrazine treatment at time of immunization showed significantly greater protection than rats given antigen alone or phenylhydrazine alone, this enhanced response could be adoptively transferred with spleen cells, possibility that autoimmune responses to modified red cell antigens might be involved in protective immunity to malaria

Immunity, Autoimmunity
Brown KN; Hills LA
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Immunity, Autoimmunity
Chung PR et al
1980 J Parasitol 66 (5) Oct 847-849 Wa
Plasmodium berghei-infected mice, autocytotoxins against thymocytes

Immunity, Autoimmunity
Clarkson AB jr; Mellow GH
1981 Science (4517) 214 Oct 9 186-188 Wa
Trypanosoma lewisi, serum of lactating rats that have never been infected contains rheumatoid factor-like IgM which amplifies specific IgG response to parasite and accounts for unusual resistance of previously uninfected lactating rats and their suckling pups, similar rheumatoid factor-like IgM induced late in usual course of infection in nonlactating rats amplifies earlier IgG response and terminates infection, first description of rheumatoid factor (which is classified as autoimmune antibody) acting in protective manner, possible implications for T. cruzi infection

Immunity, Autoimmunity
Cunningham DS et al
1981 Exper Parasitol 51 (2) Apr 257-268 Wa
Trypanosoma cruzi in relatively resistant vs. highly susceptible strain of mice, antibody response to previously unencountered antigens, autoantibody activity, proposed that T. cruzi-associated antigens differentially affect B-cell-responsive and -responding clones, unlikely that nonspecific induction of immunoglobulin synthesis is purely responsible for immunosuppressed condition of both susceptible and resistant mice, immunopotentiating effect of T. cruzi demonstrated in 2 ways, possible significance of polyclonal activation in experimental Chagas' disease

Immunity, Autoimmunity
Desjeux P et al
1980 Am J Trop Med and Hyg 29 (2) Mar 195-198 Wa
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Facer CA
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Wm
Plasmodium falciparum, Gambian children, association between direct Coombs antiglobulin positivity and malaria, antigen specificity of erythrocyte-bound IgG, mechanism of erythrocyte sensitization, results add to and confirm major role of immune complex formation in immunopathology of falciparum malaria

Immunity, Autoimmunity
Facer CA
1980 Clin and Exper Immunol 41 (1) July 81-90
Wa
Plasmodium falciparum, Gambian children, direct antiglobulin reactions, IgG subclass and Gm allotype distribution of red cell-bound IgG molecules, association with anemia

Immunity, Autoimmunity
Fischer E et al
1981 Clin and Exper Immunol 46 (1) Oct 89-97 Wa
Schistosoma mansoni-infected mice, autoantibodies and polyclonal non-specific B cell activation

Immunity, Autoimmunity
Goodger BV; Wright IG; Mahoney DF
1981 Austral J Exper Biol and Med Sc 59 (5) Oct
531-538 Wa
Babesia bovis, acutely infected cattle, pathophysiology, changes in conglutinin, immunoconglutinin, complement C3, and fibronectin concentrations

Immunity, Autoimmunity
Greenwood BM; Whittle HC
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 716-725
Wa
sleeping sickness, human, clinical features, laboratory abnormalities, pathological changes, speculations about pathogenesis with emphasis on immunopathology (immediate hypersensitivity, autoantibodies, immune complexes), hypothesis suggesting dominant role for B lymphocyte proliferation in pathogenesis, symposium presentation

Immunity, Autoimmunity
Hillyer GV; Rossy M
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Wa
Schistosoma mansoni, mice, antibodies to DNA detected by enzyme-linked immunosorbent assay, suggestion that immune complexes are present in circulation by 9 and 11 weeks of infection

Immunity, Autoimmunity
Hoffmann R; Schmid DO; Hoffmann-Fezer G
1981 Vet Immunol and Immunopath 2 (2) Apr
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Eperythrozoon suis, pigs, acquired autoimmune hemolytic anemia due to 'cold' antibodies

Immunity, Autoimmunity
Howard RJ; Day KP
1981 Exper Parasitol 51 (1) Feb 95-103 Wa
Plasmodium berghei-infected mouse blood, modification of surface membrane glycoprotein sialic acids on uninfected and infected red cells, possible implications with regard to anemia induced by malaria (new sialic acid antigen(s) may elicit binding of autoantibody)

Immunity, Autoimmunity
Jayawardena AN; Kemp JD
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Wa
Plasmodium yoelii and Babesia microti in CBA/N mice which carry X-linked recessive immunological defect, increased duration and severity of infections associated with markedly defective IgM antibody response to parasitized red cells and failure to produce autoantibodies to bromelain-treated mouse red blood cells

Immunity, Autoimmunity
Kawabata M et al
1981 Infect and Immun 32 (2) May 438-442 Wa
Schistosoma japonicum-infected mice, thymocytotoxic autoantibodies, induction may be consequence of polyclonal B-lymphocyte stimulation by infection

Immunity, Autoimmunity
Lefrancois G et al
1981 Lancet London (8248) 2 Sept 26 661-663 Wa
Plasmodium falciparum, Gabon natives with chronic infections, and anti-erythrocyte autoimmunisation with anti-I specificity, possible associated interaction between I antigen and Plasmodium which facilitates penetration of the erythrocytes by malarial parasites: France

Immunity, Autoimmunity
Mattern P et al
1980 Infect and Immun 28 (3) June 812-817 Wm
Trypanosoma equiperdum, T. gambiense, rabbits, anti-immunoglobulins, heterophil agglutinins, influence of therapy

Immunity, Autoimmunity
Mosca W; Plaja J
1981 J Clin Microbiol 14 (1) July 1-5 Wa
Trypanosoma cruzi, Chagasic patients, delayed hypersensitivity to heart antigens and to parasite antigens as measured by in vitro lymphocyte stimulation, relevance of findings to pathogenesis of Chagasic cardiomyopathy needs to be carefully assessed

Immunity, Autoimmunity
Ortiz-Ortiz L; et al
1980 J Immunol 124 (1) Jan 121-126 Wm
Trypanosoma cruzi, mice, polyclonal B lymphocyte activation, may be responsible for abnormalities in immunoglobulin synthesis and secretion, possible role in etiology of autoimmune disease

Immunity, Autoimmunity
Ozeretskovskaia NN et al
1979 Trop Dis Research Ser (1) 259-271 Wa
Echinococcus granulosus, E. multilocularis, patients with normal spleens vs. patients with enlarged spleens, clinical data, severity of disease, renal damage, serum immunoglobulin levels, total serum protein content and proteinogramme, phytohaemagglutinin skin test, levels of antibodies to DNA, specific antiparasite antibodies, effect of prolonged treatment with mebendazole

Immunity, Autoimmunity
Paes RAP; Ueda M; Gordinho RS
1979 Rev Inst Adolfo Lutz 39 (2) Dec 121-125
Wa
[Schistosoma mansoni], Trypanosoma cruzi, human, examination of sera for anti-reticulin antibodies

Immunity, Autoimmunity
Peralta JM et al
1981 Clin and Exper Immunol 45 (3) Sept 621-626 Wa
Trypanosoma cruzi-infected asymptomatic humans, leucocyte migration inhibition response to tissue antigens, correlation with tissue-reacting antibodies

Immunity, Autoimmunity
Peralta JM et al
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 568-569 Wa
Trypanosoma cruzi, human, close relationship between autoantibodies and chagasic infection but their presence does not appear to relate to severity of Chagas' heart disease

Immunity, Autoimmunity
Poels LG et al
1980 Exper Parasitol 49 (1) Feb 97-105 Wa
Plasmodium berghei, mice, T cell-dependent autoimmunity

Immunity, Autoimmunity
Poltera AA et al
1980 Clin and Exper Immunol 40 (3) June 496-507 Wa
Trypanosoma brucei brucei, successful induction of cerebral trypanosomiasis in ordinary laboratory mice, parasitaemia and serology, histopathology, immunohistology, electronmicroscopic studies, evolution of brain lesions after ethidium bromide treatment

Immunity, Autoimmunity
Ribeiro dos Santos R; Hudson L
1981 Clin and Exper Immunol 44 (2) May 349-354 Wa
Trypanosoma cruzi, mice, data suggest that immunity to heart and neuronal antigens commonly detected in infected animals is result rather than cause of host cell destruction

Immunity, Autoimmunity
Rickman WJ; Cox HW
1980 J Parasitol 66 (1) Feb 28-33 Wa
Trypanosoma brucei rhodesiense, rats, anemia, thrombocytopenia, and coagulopathy, association with antibodies against fibrinogen/fibrin-related products (anti-F), immunoconglutinin, soluble immune complexes (of anti-F and fibrinogen/fibrin-related products), and lytic complement consumption

Immunity, Autoimmunity
Rickman WJ; Cox HW; Thoongsuwan S
1981 J Parasitol 67 (2) Apr 159-163 Wa
Trypanosoma brucei rhodesiense, rats, interactions of immunoconglutinin and immune complexes in cold autohemagglutination

Immunity, Autoimmunity
Ronai Z; Avraham H; Sulitzeanu D
1981 J Parasitol 67 (3) June 351-354 Wa
Plasmodium berghei-infected rats, autoantibodies to red blood cells in sera

Immunity, Autoimmunity
dos Santos RR; Hudson L
1980 Clin and Exper Immunol 40 (1) Apr 36-41 Wa
Trypanosoma cruzi, both antibodies and cells taken from mice 15 days after infection can kill parasite-modified mammalian cells in vitro, lymphocytes taken at 60 days can kill unmodified syngeneic cells in vitro

Immunity, Autoimmunity
Santos-Buch CA et al
1979 6 Internat Convoc Immunol 262-267 Wm; Wa
Chagas' disease, immunopathology, review: autoantibody reactions, T lymphocyte cytotoxicity induced by infection, cross-reacting immunogens of target organs and Trypanosoma cruzi

Immunity, Autoimmunity
Sterin-Borda L et al
1981 European J Pharmacol 69 (1) Jan 5 1-10 Wa
Chagasic sera containing EVI antibody alter effects of ouabain on isolated rat atria, data suggest participation of adrenergic mechanisms, results may explain 'toxic' effects observed with cardioactive glycosides when they are used in patients with Chagas' heart disease

Immunity, Autoimmunity
Szarfman A et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 114-116 Wa
Trypanosoma cruzi-infected Macaca mulatta, tissue-reacting immunoglobulins in serial serum samples, suitable host for experimental studies on Chagas' disease

Immunity, Autoimmunity
Szarfman A et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 43-46 Wa
Trypanosoma cruzi, human, tissue-reacting immunoglobulins, presence not correlated with clinical symptoms and signs which characterize chronic stage of disease nor with severity of disease

Immunity, Autoimmunity
Targett GA
1981 Developments Immunol 14 301-309 Wa
malaria infection, human, immunological and allergological aspects especially in relation to pathogenesis and pathology, review

Immunity, Autoimmunity
Teixeira ARL
1979 Bull World Health Organ 57 (5) 697-710 Wa
Trypanosoma cruzi, humans, immune mechanisms, trends in immunological research, and prospects for immunoprophylaxis, review

Immunity, Autoimmunity
Thoongsuwan S; Cox HW
1981 J Parasitol 67 (4) Aug 481-486 Wa
Haemobartonella muris-like agent isolated and identified as occult companion agent in Trypanosoma lewisi-infected rats and implicated as cause of acute hemolytic anemia, splenomegaly with erythrophagocytosis, and proliferative glomerulonephritis in mature rats, disease was less severe in weanling rats, presence of cold-active hemagglutinin, immunoconglutinin, and antibody against fibrinogen products

Immunity, Autoimmunity
Tizard IR; Mittal KR; Nielsen K
1980 Research Vet Sc 28 (2) Mar 203-206 Wa
Trypanosoma congolense, calves (exper.), no rise in immunoconglutinins (IKS) levels, trypanosome infection inhibited IKS response to Brucella abortus strain 19, possible reasons

Immunity, Autoimmunity
Ungari S et al
1979 Acta Paediat Latina 32 (2) Apr-June 157-164 Wm
echinococcosis, child, associated autoimmune glomerulo-nephritis, case report: Italy

Immunity, Autoimmunity
Wells RA et al
1980 Clin and Exper Immunol 39 (3) Mar 663-667 Wm
Plasmodium falciparum- or P. vivax-infected Thai adults, cold-reactive anti-lymphocytotoxic antibodies in sera, may play role in modulating immune response of patients toward malaria

Immunity, Autoimmunity
Wyler DJ; Blackman HJ; Lunde MN
1980 Am J Trop Med and Hyg 29 (6) Nov 1181-1186 Wa
Toxoplasma gondii, patients with toxoplasmal retinochoroiditis vs. seropositive and seronegative controls, antibody titers, in vitro lymphoproliferative responses to toxoplasmal and retinal antigens, observations raise possibility of autoimmune component in pathogenesis of relapses in toxoplasmal retinochoroiditis

Immunity, Autoimmunity
Zielinska E; Michalak T; Dymowska Z
1979 Med Dosw i Mikrobiol 31 (4) 271-276 Wm
Toxoplasma gondii, human, incidence of certain autoantibodies

Immunity, Capillary tube agglutination See Immunity, Agglutination

Immunity, Cell-mediated [See also Immunity, Antibody-dependent cell-mediated]

Immunity, Cell-mediated
Abdel-Salam E et al
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 207-214 Wa
Schistosoma haematobium, children, lymphocyte blast transformation responses, effect of niridazole therapy, evidence of disturbed cell-mediated immunity

Immunity, Cell-mediated
Abrahamsohn IA; Blotta MHSL; Curotto MA
1981 Infect and Immun 31 (3) Mar 1145-1151 Wa
Trypanosoma cruzi, enhancement of delayed-type hypersensitivity in mice treated with Mycobacterium bovis BCG and cyclophosphamide

Immunity, Cell-mediated
Aggarwal A et al
1980 Ann Trop Med and Parasitol 74 (3) June 369-371 Wa
Giardia lamblia, corticosteroid/irradiation-treated immune-depressed mice were more susceptible to infection which indicates presumed role of cellular and humoral immunity in giardiasis

Immunity, Cell-mediated
Aikat BK et al
1979 Indian J Med Research 70 Oct 583-591 Wa
kala-azar, humans, immunological responses: Bihar

Immunity, Cell-mediated
Alexander J; Phillips RS
1980 Exper Parasitol 49 (1) Feb 34-40 Wa
Leishmania mexicana, L. tropica major, mice, adoptive transfer of immunity

Immunity, Cell-mediated
Ali-Khan Z; Siboo R
1980 Ztschr Parasitenk 62 (3) 255-265 Wa
Echinococcus multilocularis, mice infected with subcutaneous alveolar hydatid cysts, intense plasmacellular infiltration in paracortex of draining lymph nodes

Immunity, Cell-mediated
Allison AC; Eugui EM
1981 Advances Exper Med and Biol 137 225-237 Wa
approaches to vaccines against protozoan parasites of cattle, review with emphasis on cell-mediated immunity in theileriosis

Immunity, Cell-mediated
Allison AC; Eugui EM
1981 Am J Path 102 (1) Jan 114-120 Wa
theileriosis, lymphoid organ changes in infected cattle, establishment of lymphoid cell lines containing parasites, humoral and cell-mediated immunity, symposium presentation

Immunity, Cell-mediated
Anderson SE jr; Krahenbuhl JL; Remington JS
1979 J Clin and Lab Immunol 2 (4) Nov 293-297 Wm
Toxoplasma gondii, human, longitudinal studies of lymphocyte response to Toxoplasma antigen, immunodepression seen in some subjects

Immunity, Cell-mediated
Ardehali S et al
1980 Ann Trop Med and Parasitol 74 (4) Aug 439-445 Wa
cutaneous leishmaniasis, human, chronic (lupoid) form, clinical aspects, histology, skin tests with leishmanin and PPD, indirect fluorescent antibody and direct agglutination tests: Iran

Immunity, Cell-mediated
Asaishi K et al
1980 Gastroenterol Japon 15 (2) Apr 120-127 Wm
Anisakis-infected guinea pigs and rabbits, 3 types of allergic immunological reactions of digestive tract induced by larvae, these reactions may play main role in clinical symptoms of human anisakiasis

Immunity, Cell-mediated
Banerjee DP et al
1981 Tropenmed u Parsitol 32 (2) June 105-108 Wa
Anaplasma marginale, cattle, vaccinated infected and non-vaccinated infected (carrier) animals, cell-mediated immune response assessed in vivo by intradermic skin test and in vitro by leucocyte migration inhibition test, killed vaccine yielded encouraging results

Immunity, Cell-mediated
Bayne CJ; Buckley PM; DeWan PC
1980 Exper Parasitol 50 (3) Dec 409-416 Wa
Schistosoma mansoni, plasma of resistant Biomphalaria glabrata in conjunction with hemocytes of susceptible snails leads to disruption of sporocyst ultrastructure in vitro

Immunity, Cell-mediated
Bayne CJ; Buckley PM; DeWan PC
1980 J Parasitol 66 (3) June 413-419 Wa
Schistosoma mansoni, macrophagelike hemocytes of resistant Biomphalaria glabrata are cytotoxic for sporocysts in vitro

Immunity, Cell-mediated
Bender AP et al
1981 Vet Rec 108 (2) Jan 10 41 Wa
Dirofilaria immitis, allogenic spleen cells killed microfilariae of another dog whose spleen cells could not kill its own microfilariae, may indicate that some form of immunosuppression is required for maintenance of microfilaraemia; culture medium in which microfilariae maintained motility for 44 days and 3 hours

Immunity, Cell-mediated
Benex J; Jacobelli G
1980 Bull Soc Path Exot 73 (2) Mar-Apr 206-213 Wa
cellular immunity of schistosomiasis molluscan vectors, S[chistosoma] mansoni and Biomphalaria glabrata used for preliminary studies

Immunity, Cell-mediated
Bentley AG; Carlisle AS; Phillips SM
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 102-112 Wa
Schistosoma mansoni, rats, initial and challenge infections, cellular response in lungs and liver, ultrastructural analysis

Immunity, Cell-mediated
Bertelli MSM; Alcantara F. A; Brener Z
1981 Tropenmed u Parasitol 32 (2) June 93-96 Wa
Trypanosoma cruzi, mice, BCG-induced resistance, correlation with in vitro effects of BCG-activated macrophages on parasite bloodstream stages, findings represent further demonstration that cell-mediated immunity plays role in immune response in experimental Chagas' disease

Immunity, Cell-mediated
Blackwood LL; Molinari JA
1981 Internat Arch Allergy and Applied Immunol 66 (1) 55-58 Wa
Trichinella spiralis-induced immunopotentiation of delayed-type hypersensitivity against BCG, dose dependence

Immunity, Cell-mediated
Boros DL; Lande MA; Carrick L jr
1981 Clin Immunol and Immunopath 18 (2) Feb 276-286 Wm
Schistosoma mansoni, mice, collagen synthesis during cell-mediated granulomatous response as determined in explanted pulmonary granulomas

Immunity, Cell-mediated
Bout DT et al
1981 J Immunol 127 (1) July 1-5 Wm
Schistosoma mansoni, in vitro killing of schistosomula by lymphokine-activated mouse macrophages

Immunity, Cell-mediated
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunity, Cell-mediated
Bullock WE
1979 Immunol Aspects Infect Dis 269-294 Wa
mechanisms of anergy in infectious diseases, review, includes brief mention of several parasites

Immunity, Cell-mediated
Camus D et al
1981 Immunopharmacology 3 (3) Sept 193-204 Wa
Schistosoma mansoni-infected or uninfected rats or mice, in vivo modulation of specific and nonspecific cell-mediated immune responses by dialyzable schistosome incubation product (inhibitory factor of lymphocyte proliferation elicited in vitro)

Immunity, Cell-mediated
Camus D; Capron A
1980 Acta Gastroenter Belg 43 (1-2) Jan-Feb 17-30 Wm
immunology of digestive parasitoses, recent advances, aspects of immunological mechanisms controlling host-parasite relationships

Immunity, Cell-mediated
Carson CA; Buening GM
1979 J South African Vet Ass 50 (4) Dec 330-331 Wa
Anaplasma marginale, cattle, immune response to live and inactivated Anaplasma vaccines, response to challenge, review

Immunity, Cell-mediated
Carson CA; Kakoma I; Ristic M
1980 Comp Immunol Microbiol and Infect Dis 3 (3) 277-281 Wa
Anaplasma marginale, cattle, use of peripheral blood leukocytes in study of cell-mediated immunity, review: leukocyte migration inhibition test; blastogenesis test; cytotoxicity test

Immunity, Cell-mediated
Carvalho EM; Teixeira RS; Johnson WD jr
1981 Infect and Immun 33 (2) Aug 498-502 Wa
Leishmania chagasi, human, cell-mediated immunity, reversible immunosuppression during acute infection

Immunity, Cell-mediated
Cha YN et al
1980 Am J Trop Med and Hyg 29 (2) Mar 234-238 Wm
Schistosoma mansoni-infected athymic nude mice vs. normal heterozygotes, activities of several hepatic drug-metabolizing enzymes, severe reductions of hepatic drug-metabolizing capacity occur only in mice that are immunologically competent and are dependent on host's response to parasite eggs

Immunity, Cell-mediated
Chandanani RE et al
1981 Indian J Med Research 73 Suppl Jan 45-49 Wa
Plasmodium knowlesi-infected rhesus monkeys, (acute, protracted and reinfection stages), changes in peripheral lymphocyte counts and their transformation

Immunity, Cell-mediated
Chang KP; Chiao JW
1981 Proc National Acad Sc 78 (11) Biol Sc Nov 7083-7087 Wa
Leishmania donovani, lymphokine-mediated killing of intracellular parasites in macrophages

Immunity, Cell-mediated
Charmot G; Bastin R
1979 Bull Soc Path Exot 72 (4) July-Aug 319-324 Wa
P[lasmodium] falciparum, patients with primary infections, transitory appearance of hyperbasophilic mononucleated cells (atypical lymphocytes) suggests cell-mediated immunity, more specifically K cell-related cytotoxicity

Immunity, Cell-mediated
Chensue SW; Boros DL; David CS
1980 J Exper Med 151 (6) June 1 1398-1412 Wa
Schistosoma mansoni, mice, regulation of granulomatous inflammation, in vitro characterization of T lymphocyte subsets involved in production and suppression of migration inhibition factor

Immunity, Cell-mediated
Chensue SW; Wellhausen SR; Boros DL
1981 J Immunol 127 (1) July 363-367 Wm
Schistosoma mansoni-infected mice, participation of Ly $1^+$ and Ly $2^+$ T lymphocytes in suppression of granuloma formation and lymphokine production

Immunity, Cell-mediated
Chu MH; Cross JH
1980 Southeast Asian J Trop Med and Pub Health 11 (3) Sept 313-318 Wa
Schistosoma japonicum, Indonesian vs. Formosan strains in mice, lymphocyte response to concanavalin A, soluble egg antigen and adult worm antigen

Immunity, Cell-mediated
Cohen HA
1979 Acta Dermato-Venereol 59 (6) 547-549 Wm
leishmaniasis cutanea diffusa, man, chronic infection for 26 years, induction of delayed hypersensitivity using heat-killed and lyophilized BCG and cord-factor (trehalose-6-6' dimycolate), clinical case report

Immunity, Cell-mediated
Colley DG; Kayes SG
1979 6 Internat Convoc Immunol 268-273 Wm; Wa
schistosomiasis, immunopathology and immunoregulation, review

Immunity, Cell-mediated
Corsini AC; Oliveira OLP; Costa MG
1980 Ztschr Parasitenk 61 (2) 179-185 Wa
Trypanosoma cruzi strain Y, susceptible and resistant mice, unimpaired delayed type hypersensitivity reactions

Immunity, Cell-mediated
Corsini AC; Vilela MMS; Piedrabuena AE
1981 Tropenmed u Parasitol 32 (2) June 82-86 Wa
Trypanosoma cruzi, human, chronic Chagas' disease patients, serum levels of IgM, IgG, IgA, complement, number of circulating T and B lymphocytes, no evidence of immune complexes, unimpaired delayed type hypersensitivity reactions to various antigens, humoral suppression to typhoid vaccine

Immunity, Cell-mediated
Cottrell BJ; Humber D; Sturrock RF
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 415-416 Wa
Schistosoma mansoni, factor in sera of patients that suppresses cell-mediated response

Immunity, Cell-mediated
Cottrell BJ; Sturrock RJ; Vanhoegaerden M
1980 Immunology 39 (4) Apr 589-598 Wa
Schistosoma mansoni-infected Papio anubis, reduced cell-mediated immunity, suggested that immunosuppressive factors in serum are immune complexes

Immunity, Cell-mediated
Cunningham DS; Kuhn RE
1980 J Parasitol 66 (3) June 390-398 Wa
Trypanosoma cruzi, mice, lymphoblast transformation as measure of immune competence during experimental Chagas' disease

Immunity, Cell-mediated
Cunningham DS; Kuhn RE; Hatcher FM
1981 Exper Parasitol 51 (1) Feb 141-151 Wa
Trypanosoma cruzi, responses by cells from infected mice to alloantigens, implications for mechanism of parasite-induced immunosuppression of cell-mediated responses

Immunity, Cell-mediated
Cursons RTM; et al
1980 Infect and Immun 29 (2) Aug 408-410 Wa
Naegleria spp., sensitized guinea pigs, cross-reactivity of homologous and heterologous antigens as judged by delayed hypersensitivity skin test and macrophage inhibition test, possible role of cell-mediated immunity in defense against pathogenic free-living amoebae

Immunity, Cell-mediated
Dawkins HJS; Grove DI
1981 Immunology 43 (2) June 317-322 Wa
Strongyloides ratti, mice, transfer of resistance to infection with serum and cells

Immunity, Cell-mediated
Dean JH et al
1980 J Reticuloendothel Soc 28 (6) Dec 571-583 Wm
adult exposure of female mice to therapeutic levels of diethylstilbestrol can severely impair host resistance to syngeneic tumor cells, Listeria, endotoxin, and Trichinella spiralis

Immunity, Cell-mediated
Delgado O et al
1981 Clin Immunol and Immunopathol 19 (3) June 351-359 Wm
cutaneous leishmaniasis, dialyzable leukocyte extract therapy in immunodepressed patients

Immunity, Cell-mediated
DeVaney JA; Ziprin RL
1980 Poultry Science 59 (8) Aug 1742-1744 Wa
Ornithonyssus sylviarum-infested and -reinfested White Leghorn hens (exper.), degree and duration of acquired immunity related to initial level of infestation

Immunity, Cell-mediated
De Waele M; Thielemans C; Van Camp B
1981 N England J Med 305 (4) July 23 228 Wa
Toxoplasma gondii-infected patient, cell-surface phenotypes of peripheral lymphocytes, infection triggers proliferation and activation of T-cytotoxic or T-suppressor cells or both

Immunity, Cell-mediated
Diamantstein T et al
1980 Immunology 41 (2) Oct 347-352 Wa
Entamoeba histolytica extracts, mitogenicity for murine lymphocytes, possibility that impaired cell-mediated immune response in amoebiasis patients might be related to action of amoeba on T lymphocytes

Immunity, Cell-mediated
Duncombe VM et al
1981 Am J Clin Nutrition 34 (3) Mar 400-403 Wa
Nippostrongylus brasiliensis-infected rats fed a low protein diet, delayed worm expulsion, syngeneic bone marrow cell transfer from immune or nonimmune donors resulted in accelerated worm expulsion

Immunity, Cell-mediated
El-Hawey AM et al
1978 J Egypt Med Ass 61 (5-6) 433-448 Wm
S[chistosoma] mansoni, chronic infection in Swiss albino mice, intravenous inoculation of live bacillus Calmette Guerin (BCG) vaccine produced nonspecific stimulation of cellular immunity, immunoprotection against S. mansoni infection, and enhancement of healing of bilharzial hepatic granulomas

Immunity, Cell-mediated
El-Hawey AM; Abdel-Wahab KSE; Saber MA
1978 J Egypt Med Ass 61 (3-4) 253-262 Wm
schistosomiasis, patients with simple urinary hematobiasis, patterns in cell-mediated immune response and humoral immune response before, immediately after, and 4 months after niridazole therapy (measurement of immediate and delayed skin test responses, immunoglobulin levels, urinary egg counts, lymphocyte-lymphoblast transformation rate, evidence of eosinophilia)

Immunity, Cell-mediated
Ellner JJ et al
1981 J Immunol 126 (1) Jan 309-312 Wm
Schistosoma mansoni, Egyptians with heavy infections, with light infections, and with hepatosplenomegaly, responses of peripheral blood mononuclear cells, first demonstration of inverse relationship between specific immune responsiveness to adult worm antigens and intensity of infection

Immunity, Cell-mediated
El Raziky KH et al
1981 Am J Trop Med and Hyg 30 (2) Mar 373-384
Wa
Schistosoma mansoni and S. haematobium-infected patients vs. subjects from nonendemic area, immediate, Arthus, and delayed skin test responses to S. mansoni antigen, delayed responses to ubiquitous antigens, gross and histological studies: Egypt

Immunity, Cell-mediated
Emery DL
1981 Research Vet Sc 30 (3) May 364-367 Wa
Theileria parva, resistance to lethal challenge transferred between 2 pairs of chimeric bovine co-twins with syngeneic thoracic duct lymphocytes from immunized partner

Immunity, Cell-mediated
Emery DL et al
1981 Immunology 43 (2) June 323-336 Wa
Theileria parva, cell-mediated immune responses during immunization and lethal or sub-lethal infections in cattle, mixed lymphocyte reactions, cell-mediated lympholysis

Immunity, Cell-mediated
Emery DL; Morrison WI
1980 Immunology 40 (2) June 229-237 Wa
Theileria parva, cattle, generation of autologous mixed leucocyte reactions during course of infection

Immunity, Cell-mediated
Emery DL; Tenywa T; Jack RM
1981 Infect and Immun 32 (3) June 1301-1304 Wa
Theileria parva, effector cells that mediate cytotoxicity against parasitized autologous lymphocytes in immune cattle were considered to be thymus-derived lymphocytes

Immunity, Cell-mediated
Emery DL; Wells PW; Tenywa T
1980 Exper Parasitol 50 (3) Dec 358-368 Wa
Trypanosoma congolense, specific transformation in vitro of leukocytes from infected or immunized cattle

Immunity, Cell-mediated
Eugui EM; Emery DL
1981 Nature London (5803) 290 Mar 19 251-254 Wa
Theileria parva, genetically restricted cell-mediated cytotoxicity in immune cattle

Immunity, Cell-mediated
Fanning MM et al
1981 J Infect Dis 144 (2) Aug 148-153 Wa
Schistosoma mansoni, course of infection studied in various inbred strains of mice (according to degree of portal hypertension, granuloma size, organomegaly), data indicate that immunopathology associated with parasitic infection in mice is influenced by genetic background of host and is dependent in part on cell-mediated immunity

Immunity, Cell-mediated
Filice GA; Beaman BL; Remington JS
1980 Infect and Immun 27 (2) Feb 643-649 Wm
activated macrophages from mice infected with Toxoplasma gondii or injected with Corynebacterium parvum, effects on Nocardia asteroides

Immunity, Cell-mediated
Francis DH; Buening GM; Amerault TE
1980 Am J Vet Research 41 (3) Mar 368-371 Wa
Anaplasma marginale, cattle, evaluation of immune response and protective capacity of dodecanoic acid-conjugated vaccines; influence of erythrocyte antigens associated with anaplasma vaccine on in vivo and in vitro measurements used to evaluate cell-mediated response to A. marginale

Immunity, Cell-mediated
Frankenburg S; Londner MV; Greenblatt CL
1980 Cellular Immunol 55 (1) Sept 15 185-190 Wa
Plasmodium berghei in immune and nonimmune mice, cellular changes in bone marrow, blast transformation and phagocytosis

Immunity, Cell-mediated
Fucs R; Barcinski MA
1981 J Parasitol 67 (4) Aug 463-467 Wa
Herpetomonas samuelpessoai, dependence on macrophages of guinea pig T-cell immune response, demonstration of cross-reactivity at cellular level between H. samuelpessoai and Trypanosoma cruzi antigens

Immunity, Cell-mediated
Gajanana A et al
1981 Indian J Med Research 73 Suppl Jan 97-106 Wa
Wuchereria bancrofti, infected and non-infected humans living under similar environmental conditions, assay of E and EAC rosette forming peripheral lymphocytes as well as total and differential WBC counts, neutropenia, eosinophilia, and unaltered lymphocyte counts observed in infected group: Pondicherry, India

Immunity, Cell-mediated
Garb KS; Stavitsky AB; Mahmoud AAF
1981 J Immunol 127 (1) July 115-120 Wm
Schistosoma japonicum, mice, dynamics of antigen- and mitogen-induced responses, in vitro comparison between hepatic granulomas and splenic cells, kinetics recall spontaneous modulation of various clinical and pathologic parameters in natural disease

Immunity, Cell-mediated
Gasbarre LC; Hug K; Louis JA
1980 Clin and Exper Immunol 41 (1) July 97-106 Wa
Trypanosoma brucei, induction of T lymphocyte-dependent proliferative response specific for parasite

Immunity, Cell-mediated
Ghose AC et al
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 725-726 Wa
visceral leishmaniasis, humans, phytohaemagglutinin-induced lymphocyte transformation test, suppressed T-lymphocyte function: North Bihar, India

Immunity, Cell-mediated
Giambrone JJ; Klesius PH
1980 Poultry Science 59 (8) Aug 1715-1721 Wa
Eimeria spp., correlation between resistance and delayed hypersensitivity reactions in chickens previously immunized by repeated infections with living parasites or CocciVac D; immunologic cross reactivity of E. tenella, E. necatrix, E. maxima, and E. bovis

Immunity, Cell-mediated
Giambrone JJ; Klesius PH; Edgar SA
1980 Poultry Science 59 (1) Jan 38-43 Wa
CocciVac D-immunized chickens, cell-mediated immune (CMI) response to challenge with Eimeria necatrix and E. tenella measured by delayed hypersensitivity wattle test and leukocyte stimulation, correlation of CMI with disease resistance

Immunity, Cell-mediated
Gorczynski RM et al
1981 Cellular Immunol 60 (2) May 15 367-375 Wa
Leishmania enrietti, macrophage subpopulations from uninfected and immune guinea pigs of different strains, ability to support parasite growth in vitro and to promote proliferation in lymphocytes of animals recovered from primary lesion, evidence that macrophage heterogeneity and Ir-gene control are factors involved in immune response of guinea pigs to infection with L. enrietti

Immunity, Cell-mediated
Gorini P et al
1978 Riv Emoterap ed Immunoematol 25 (5-6) 207-222 Wm
Toxoplasma gondii, rats, indications that immune response is both humoral and cellular

Immunity, Cell-mediated
Green WF; Colley DG
1981 Proc National Acad Sc Biol Sc 78 (2) Feb 1152-1156 Wa
Schistosoma mansoni, mice, modulation of egg-induced granuloma formation, role of I-J locus in regulating suppressor T lymphocyte aspects of modulation

Immunity, Cell-mediated
Grimaldi G jr; Moriearty PL; Hoff R
1980 Exper Parasitol 50 (1) Aug 45-56 Wa
Leishmania mexicana in C3H mice, histopathology, humoral and cellular immune responses

Immunity, Cell-mediated
Grimaldi GF; Moriearty PL; Hoff R
1980 Clin and Exper Immunol 41 (2) Aug 237-242 Wa
Leishmania mexicana in C3H mice, BCG and levamisole treatment of established infections, results indicate non-specific immunostimulation is ineffective against chronic non-healing type of leishmaniasis in which host has humoral and delayed type hypersensitivity responses to parasites

Immunity, Cell-mediated
Gupta RK et al
1980 Experientia 36 (1) Jan 15 128-129 Wm
Hymenolepis nana, mice, transfer of acquired immunity through sensitized peritoneal exudate cells

Immunity, Cell-mediated
Gusmao RA; Stanley AM; Ottesen EA
1981 Exper Parasitol 52 (1) Aug 147-159 Wa
Brugia pahangi, inbred Lewis rats, cellular and humoral immune responses (blood leukocyte levels, antifilarial IgG and IgE antibody production, specific lymphocyte responses to mitogens and filarial antigens), findings suggest that development of specific IgE antibodies plays role in differential susceptibility to infection in these rats

Immunity, Cell-mediated
Gustowska L; Ruitenberg EJ; Elgersma A
1980 Parasite Immunol 2 (2) Summer 133-154 Wa
Trichinella spiralis, thymus-bearing vs. congenitally athymic mice, histological changes in gut, tongue, and 3 lymphoid tissues with special attention to eosinophils, specific antibody production

Immunity, Cell-mediated
Hale C; Howard JG
1981 Parasite Immunol 3 (1) Spring 45-55 Wa
Leishmania tropica major in Biozzi high and low responder lines of mice, comparative susceptibility, serum antibody levels and delayed-type hypersensitivity responses, macrophage differences

Immunity, Cell-mediated
Handman E; Chester PM; Remington JS
1980 Infect and Immun 28 (2) May 524-531 Wa
Toxoplasma gondii-infected mice, delayed hypersensitivity to Toxoplasma and unrelated antigens, induction and elicitation of delayed-type hypersensitivity by antigen-pulsed macrophages

Immunity, Cell-mediated
Haque A; Ogilvie BM; Capron A
1981 Exper Parasitol 52 (1) Aug 25-34 Wa
Dipetalonema viteae, mice, response of spleen cells to mitogens and antigens, seems unlikely that generalized immunodepression is major factor contributing to long survival of D. viteae in its host

Immunity, Cell-mediated
Hatcher FM; Kuhn RE
1981 J Immunol 126 (6) June 2436-2442 Wm
Trypanosoma cruzi-infected mice, spontaneous lytic activity against allogeneic tumor cells and depression of specific cytotoxic responses

Immunity, Cell-mediated
Helmy-Khalil S jr et al
1979 Tropenmed u Parasitol 30 (4) Dec 426-428 Wa
S[chistosoma] mansoni, human, hepato-splenic disease vs. simple intestinal infection, cell mediated immune (CMI) responses assessed using delayed intradermal and migration inhibition tests with soluble egg antigens, findings suggest relationship between CMI responsiveness and clinicopathological manifestations

Immunity, Cell-mediated
Herrod HG et al
1981 J Immunol 126 (1) Jan 59-61 Wm
Pneumocystis carinii antigen, in vitro proliferative response of lymphocytes from normal human adults

Immunity, Cell-mediated
Hood AT; Boros DL
1980 Am J Trop Med and Hyg 29 (4) July 586-591 Wa
Schistosoma mansoni, mice, effect of splenectomy on pathophysiology, humoral and cell-mediated granulomatous responses, and liver fibrosis

Immunity, Cell-mediated
Hopper KE et al
1981 Clin and Exper Immunol 45 (3) Sept 633-641 Wa
Litomosoides carinii, enhanced adhesion of rat neutrophils to microfilariae in presence of culture supernatants from mitogen-stimulated lymph node cells, results suggest that cell-mediated immune reactions leading to lymphokine production may potentiate antifilarial antibody-dependent cellular cytotoxicity and general phagocytosis by neutrophils

Immunity, Cell-mediated
Houba V
1981 Developments Immunol 14 293-299 Wa
schistosomiasis, human, hypersensitivity reactions with special emphasis on their relation to clinical manifestations of this disease and to immunodiagnosis, brief review

Immunity, Cell-mediated
Howard JG; Hale C; Chan-Liew WL
1980 Parasite Immunol 2 (4) Winter 303-314 Wa
Leishmania tropica major, immunogenetic aspects of susceptibility to infection in different strains of mice

Immunity, Cell-mediated
Howard JG; Hale C; Liew FY
1980 J Exper Med 152 (3) Sept 1 594-607 Wa
Leishmania tropica, nature and significance of specific suppression of cell-mediated immunity in highly susceptible mice

Immunity, Cell-mediated
Howard JG; Hale C; Liew FY
1981 J Exper Med 153 (3) Mar 1 557-568 Wa
Leishmania tropica, prophylactic effect of sublethal irradiation as result of abrogation of suppressor T cell generation in genetically susceptible BALB/c mice

Immunity, Cell-mediated
Hunter KW jr et al
1981 Immunol Letters 2 (4) Jan 209-212 Wa
Plasmodium yoelii, mice, early enhancement of natural killer cell activity (correlated with transient early rise in serum interferon levels) followed by marked suppression later in course of infection, antibody-dependent cell-mediated cytotoxicity and responses of T and B lymphocytes to mitogens were suppressed throughout course of infection

Immunity, Cell-mediated
Ishaq M; Padma MC; Habibullah CM
1980 IRCS Med Sc Key Rep Cell and Molec Biol 8 (5) May 283 Wa
Entamoeba histolytica, adoptive transfer of immunity to infection by immune spleen cells in rats

Immunity, Cell-mediated
Ishimine T; Nagasawa H; Suzuki N
1979 Japan J Vet Sc Tokyo 41 (5) Oct 487-493 Wa
Babesia gibsoni, in vitro phagocytosis of parasitized and non-parasitized erythrocytes by normal or Babesia-immune monocytes incubated with normal or immune serum and by normal monocytes incubated with Babesia-immune lymphokines

Immunity, Cell-mediated
Jain P; Sawhney S; Vinayak VK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 347-350 Wa
Entamoeba histolytica, guinea pigs immunized with low grade infection, protection against subsequent challenge, humoral (indirect haemagglutination and countercurrentimmunoelectrophoresis tests) and cell-mediated (macrophage migration inhibition test) immune responses in immunized and unimmunized animals

Immunity, Cell-mediated
James SL
1981 Parasitology 83 (1) Aug 147-162 Wa
Schistosoma mansoni, in vitro proliferative response to living schistosomula by T lymphocytes from infected mice

Immunity, Cell-mediated
James SL; Sher A
1980 J Immunol 124 (4) Apr 1837-1844 Wm
Schistosoma mansoni, immune mechanisms that stimulate mouse leukocyte (eosinophil, neutrophil, macrophage) migration in response to schistosomula

Immunity, Cell-mediated
Jenkins DC; Carrington TS
1981 Parasitology 82 (2) Apr 311-318 Wa
Nematospiroides dubius, course of primary, secondary, and tertiary infections in high and low responder Biozzi mice, results imply that host antibodies play essential role in immunity to this parasite and that resistance cannot be attributed solely to non-specific macrophage activity or cell-mediated immune reactions

Immunity, Cell-mediated
Johnson WD jr
1981 Infect and Immun 33 (3) Sept 948-949 Wa
Toxoplasma gondii, human, acute infection, chronological development of cellular immunity, dichotomy between resolution of clinical illness and responsiveness of B and T lymphocytes to toxoplasma antigens, transient period of antigen-specific immunosuppression

Immunity, Cell-mediated
Jones TC
1981 Am J Path 102 (1) Jan 127-132 Wa
obligate intracellular protozoa, interactions with murine macrophages, symposium presentation: protozoal entry mechanisms and phagolysosomal system; protozoal intracellular survival and effects on macrophage function; macrophage antigen processing and genetics of immune response (includes mention of immunosuppression); lymphokine-induced microbicidal and microbistatic changes

Immunity, Cell-mediated
Jones TC; Byrne GI
1980 Mononuclear Phagocytes Functional Aspects pt 2 1611-1629 Wa
Toxoplasma gondii, relationship between lymphocytes and macrophages during control of intravacuolar parasite replication, successful use of macrophage cell lines to evaluate control of microbes by lymphocytes and lymphocyte products, review

Immunity, Cell-mediated
Kaushik SP et al
1977 Am J Gastroenterol 68 (1) July 64-70 Wm
Entamoeba histolytica, guinea pigs, assessment of immunologic role of hypersensitivity in formation of amebic granulomas

Immunity, Cell-mediated
Kayes SG; Oaks JA
1980 Exper Parasitol 49 (1) Feb 47-55 Wa
Toxocara canis, mice, functioning T-lymphocyte population appears necessary for maximal eosinophil response

Immunity, Cell-mediated
Khoury PB et al
1981 Cellular Immunol 59 (2) Apr 233-245 Wa
Schistosoma mansoni, mice, cellular responses against cercarial immunogens in regional draining lymph nodes and spleen: kinetics and characterization of T- and B-rosette forming cells, kinetics and characterization of maturational stages of B lymphocyte populations (capacity to form rosette forming cells, rosette-antibody forming cells, plaque forming cells, immunoglobulin classes)

Immunity, Cell-mediated
Khoury PB; Phillips SM
1981 Am J Trop Med and Hyg 30 (2) Mar 394-401 Wm
Schistosoma mansoni, mice, cellular responses of lymphoid organs that drain pulmonary and hepatic phases of primary infection and also cellular responses of spleen: kinetics and characterization of T and B rosette forming cells, kinetics and characterization of B cell subpopulations (capacity to form rosette forming cells, rosette-antibody forming cells, and plaque forming cells; nature of surface and/or secreted immunoglobulins), these local immune responses seem to occupy significant role in mediation of protective immunity and host morbidity

Immunity, Cell-mediated
Khoury PB; Phillips SM
1981 Cellular Immunol 59 (2) Apr 246-255 Wa
Schistosoma mansoni, mice, cellular responses against egg immunogens in regional draining lymph nodes and spleen: kinetics and characterization of T- and B-rosette forming cells, kinetics and characterization of B-cell subpopulations (capacity to form rosette forming cells, rosette-antibody forming cells, plaque forming cells, immunoglobulin classes)

Immunity, Cell-mediated
Kierszenbaum F
1981 Immunology 44 (3) Nov 641-648 Wa
Trypanosoma cruzi, mice, variation in lymphoproliferative responses to T. cruzi antigens, nature of specific immunological deficiency characteristic of acute phase of disease and no longer detectable during chronic period

Immunity, Cell-mediated
Kirkpatrick CH
1980 CRC Crit Rev Clin Lab Sc 12 (2) July 87-122 Wa
transfer factor, extensive review, includes information on Eimeria and leishmaniasis

Immunity, Cell-mediated
Klesius PH
1981 Advances Exper Med and Biol 137 293-323 Wa
modulation of cell-mediated responses with dialyzable leukocyte extract containing transfer factor, review, includes information on parasitic diseases

Immunity, Cell-mediated
Klesius PH; Fudenberg HH; Smith CL
1980 Comp Immunol Microbiol and Infect Dis 3 (3) 247-260 Wa
comparative studies on dialyzable leukocyte extracts containing transfer factor, review, includes some information on parasites

Immunity, Cell-mediated
Komissarenko VG; Shain AA
1981 Voprosy Onkol 27 (1) 36-40 Wm
patients with primary hepatic cancer and nontumor lesions of liver, delayed hypersensitivity reactions, effect of opisthorchosis invasion (impairment of cellular immunity)

Immunity, Cell-mediated
Kwa BH; Mak JW
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 522-527 Wa
Brugia malayi-infected Meriones unguiculatus, depression of delayed-type hypersensitivity responses to B. malayi antigens, normal delayed-type hypersensitivity responses to dinitrofluorobenzene, sheep red blood cells, and Dirofilaria immitis antigens

Immunity, Cell-mediated
Landolfo S; et al
1980 J Immunol 124 (2) Feb 508-514 Wm
Trichomonas vaginalis, natural cell-mediated cytotoxicity against this parasite in the mouse, tissue, host strain, and host age distribution, some characteristics of effector cells

Immunity, Cell-mediated
Langhorne J et al
1979 Trop Dis Research Ser (1) 205-228 Wa
Plasmodium knowlesi, vaccination of previously splenectomized Macaca mulatta with merozoites, results of challenge infection; effects of splenectomy on clinical immunity of immunized M. mulatta and Callithrix jacchus which were previously resistant to repeated challenge infection; in vitro growth of parasites in presence of immune spleen cells from M. mulatta and M. fascicularis

Immunity, Cell-mediated
Lelchuk R; Sprott VMA; Playfair JHL
1981 Clin and Exper Immunol 45 (2) Aug 433-438 Wa
Plasmodium yoelii, P. berghei, mice, differential involvement of non-specific suppressor T cells in lethal infections, unlikely that nonspecific suppression of cell-mediated immune responses is major cause of lethality

Immunity, Cell-mediated
Leon LL et al
1980 Infect and Immun 27 (1) Jan 38-43 Wa
Trypanosoma cruzi epimastigotes, polyribosomal fraction, immunogenic and protective activity in mice

Immunity, Cell-mediated
Lewis FA; Wilson EM
1981 Infect and Immun 32 (1) Apr 260-267 Wa
Schistosoma mansoni-infected C57BL/6 vs. CBA mice, host strain differences in lymphocyte responses and in vitro suppressor cell induction

Immunity, Cell-mediated
Ljungstroem I
1980 Parasite Immunol 2 (2) Summer 111-120 Wa
Trichinella spiralis, responsiveness of mouse spleen cells to various polyclonal T and B cell activators during infection

Immunity, Cell-mediated
Louis JA et al
1981 J Immunol 126 (5) May 1661-1666 Wm
Leishmania tropica major, role of H-2 gene complex in interactions between antigen-presenting macrophages and Leishmania-immune T lymphocytes

Immunity, Cell-mediated
MacDermott RP et al
1980 Infect and Immun 30 (3) Dec 781-785 Wa
Plasmodium falciparum, P. vivax, naturally infected Thai adults, examination of peripheral blood mononuclear cells and sera in assays of blastogenic responsiveness to mitogenic lectins and allogeneic cell surface antigens, results indicate that blastogenic responsiveness remains intact during course of malaria infection and that patient sera is capable of exerting negative immunoregulatory effects

Immunity, Cell-mediated
McDonald V; Sherman IW
1980 Clin and Exper Immunol 42 (3) Dec 421-427 Wa
Plasmodium chabaudi-immunized mice, lack of correlation between delayed-type hypersensitivity (DTH) and host resistance, DTH depression in immunized challenged mice coincided with steep rise in titre of malarial antibody

Immunity, Cell-mediated
McDonald V; Sherman IW
1980 Exper Parasitol 49 (3) June 442-454 Wa
Plasmodium chabaudi, mice, immunization, protection, humoral and cell-mediated responses, passive transfer experiments, depressed delayed-type hypersensitivity reactions but increased titers of malarial antibody after challenge

Immunity, Cell-mediated
McLeod R; Remington JS
1980 Immunology 39 (4) Apr 599-605 Wa
Toxoplasma gondii, inhibition or killing by activated macrophages, effect of various agents known to inhibit certain metabolic pathways or cell functions, abrogation by tosyllysine chloromethyl ketone or aminophylline

Immunity, Cell-mediated
McMyne PS; Strejan GH
1980 Cellular Immunol 54 (1) Aug 15 140-154 Wm
suitability of lymphotoxin assay as in vitro correlate of cell-mediated immunity to hapten-carrier conjugate known to stimulate high IgE antibody response (DNP-Ascaris)

Immunity, Cell-mediated
McMyne PS; Strejan GH
1981 Cellular Immunol 58 (2) Mar 1 312-322 Wm
evolution of delayed hypersensitivity, lymphotoxin, IgE, and IgG antibody production in rats following primary and secondary immunizations with DNP-Ascaris conjugates and different adjuvants

Immunity, Cell-mediated
Mehta K et al
1980 Indian J Med Research 72 July 38-41 Wa
Wuchereria bancrofti, humans, suppression of mitogenic response to PHA and Con A

Immunity, Cell-mediated
Miller EC
1980 Zentralbl Gynak 102 (5) 295-297 Wm
Toxoplasma gondii, diagnostic skin test survey of pregnant women, test results show that following toxoplasmosis infection cellular immune reactions increase slowly, continued use of intradermal test recommended

Immunity, Cell-mediated
Mitchell GF et al
1980 Austral J Exper Biol and Med Sc 58 (5) Oct 521-532 Wa
Leishmania tropica, cutaneous leishmaniasis, disease patterns in various inbred mouse strains, disease patterns in reconstituted nude mice of several genotypes, genetic features of nude mouse may contribute to extraordinary potency of T cell reconstitutive manipulations

Immunity, Cell-mediated
Mitchell GF et al
1981 Austral J Exper Biol and Med Sc 59 (5) Oct 539-554 Wa
Leishmania tropica, resistance and abrogation of resistance to cutaneous leishmaniais in reconstituted BALB/c nude mice

Immunity, Cell-mediated
Mitchell GF et al
1981 Internat J Parasitol 11 (4) Aug 267-276 Wa
Schistosoma japonicum, susceptibility of mice of various strains, infection characteristics, radioisotopic lung assay for granuloma formation, anti-egg circumoval precipitin responses

Immunity, Cell-mediated
Mosca W et al
1979 Acta Cien Venezolana 30 (4) 401-404 Wa
Chagasic patients without evidence of cardiomyopathy, lymphocyte blastogenesis when challenged with Trypanosoma cruzi, Leishmania brasiliensis and BCG antigens, no significant cross-reactivity nor immunosuppression demonstrated

Immunity, Cell-mediated
Mosca W; Plaja J
1981 J Clin Microbiol 14 (1) July 1-5 Wa
Trypanosoma cruzi, Chagasic patients, delayed hypersensitivity to heart antigens and to parasite antigens as measured by in vitro lymphocyte stimulation, relevance of findings to pathogenesis of Chagasic cardiomyopathy needs to be carefully assessed

Immunity, Cell-mediated
Narayanan K et al
1981 J Ass Physicians India 29 (2) Feb 169-172 Wm
Leishmania donovani, human, humoral and cell-mediated responses of 3 cases showed disturbances of T-cells, subpopulations of T-cells, and evidence of circulating immune complexes of nonpathogenic nature

Immunity, Cell-mediated
Ngu JL
1978 Acta Trop 35 (3) Sept 269-279 Wa
Onchocerca volvulus, patients with generalized type vs. localized reactive type disease, skin testing, leucocyte migration inhibition test, enzyme linked immunosorbent assay

Immunity, Cell-mediated
Niederkorn JY; Shadduck JA; Schmidt EC
1981 J Infect Dis 144 (3) Sept 249-253 Wa
Encephalitozoon cuniculi, selected inbred strains of mice showed marked differences in susceptibility and resistance to infection, immune system plays major role in determining course of infection as does genetics, infection can modulate host's immune system

Immunity, Cell-mediated
Nogueira N et al
1981 Exper Parasitol 51 (3) June 325-334 Wa
Trypanosoma cruzi, relative resistance of several inbred mouse strains to Y and CL parasite strains, acquired immunity following sublethal infection, passive transfer of resistance by spleen cells generating macrophage activating factor(s), role of T-cell-enriched immune cells in passive transfer of resistance in vivo and lymphokine production in vitro, relative ability of spleen cells from different strains of mice to generate macrophage activating factor(s) during infection, histological appearance of organs from infected mice

Immunity, Cell-mediated
Nogueira N; Cohn Z
1979 Trop Dis Research Ser (1) 137-149 Wa
Trypanosoma cruzi, cell-mediated immunity in vitro, review

Immunity, Cell-mediated
Nogueira N; Kaplan G; Cohn ZA
1980 Mononuclear Phagocytes Functional Aspects pt 2 1587-1610 Wa
Trypanosoma cruzi, induction of macrophage microbicidal activity, review

Immunity, Cell-mediated
Olds GR; Mahmoud AAF
1981 Cellular Immunol 60 (2) May 15 251-260 Wa
Schistosoma japonicum, mice sensitized with subcutaneous injection of eggs prior to intravenous challenge with eggs, kinetics and mechanisms of pulmonary granuloma formation, evidence suggests major role for cell-mediated immunity

Immunity, Cell-mediated
Omran SA et al
1978 J Egypt Med Ass 61 (11-12) 795-802 Wm
schistosomiasis patients with iron-deficiency anaemia and hypoproteinaemia, impairment of cell-mediated immune response when levels of haemoglobin fall to 10 g. or less

Immunity, Cell-mediated
Onaga H; Ishii T
1980 Japan J Vet Sc 42 (3) June 345-351 Wa
Eimeria tenella, chickens (exper.), direct and indirect leukocyte migration inhibition tests

Immunity, Cell-mediated
Ottesen EA
1979 Immune Mech and Dis 215-233 Wm; Wa
filariasis, human, immune responses discussed in relation to penetration stage of infection, persistence of infection, and pathology, review

Immunity, Cell-mediated
Ottesen EA; Poindexter RW
1980 Am J Trop Med and Hyg 29 (4) July 592-597 Wa
Schistosoma mansoni, human, humoral suppressive factors which inhibit lymphocyte proliferative responses to parasite antigens

Immunity, Cell-mediated
Pearson TW et al
1980 Trop Dis Research Ser (3) 155-157 Wm
Theileria parva, stimulation of bovine lymphocytes by syngeneic cell lines transformed in vitro by parasites, workshop presentation

Immunity, Cell-mediated
Peralta JM et al
1981 Clin and Exper Immunol 45 (3) Sept 621-626 Wa
Trypanosoma cruzi-infected asymptomatic humans, leucocyte migration inhibition response to tissue antigens, correlation with tissue-reacting antibodies

Immunity, Cell-mediated
Perez H; Pocino M; Malave I
1981 Infect and Immun 32 (2) May 415-419 Wa
Leishmania mexicana-infected mice, nonspecific immunodepression (to sheep erythrocytes), specific responses (as exemplified by protective immunity to challenge infection and delayed hypersensitivity responses to parasite antigens) were apparently unaffected

Immunity, Cell-mediated
Petavy AF; Vernes A; Biguet J
1980 Avian Path 9 (2) 171-178 Wa
Syngamus trachea, turkeys and chickens (exper.), kinetic in vitro study of cell mediated immunity using indirect test based on inhibition of macrophage spreading

Immunity, Cell-mediated
Petchclai B; Koonakosit R; Akarawong K
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 55-57 Wa
Entamoeba histolytica, humans with hepatic abscesses, leucocyte migration test demonstrates cell-mediated immune response, some evidence of immunosuppression

Immunity, Cell-mediated
Phillips SM et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 820-831 Wa
Schistosoma mansoni, studies in athymic mice integrated with in vitro studies on granuloma formation, results indicate that resistance, granulomatous hypersensitivity and its modulation, and morbidity are contingent on thymus-dependent lymphocyte function

Immunity, Cell-mediated
Phillips SM; Reid WA
1980 Internat J Nuclear Med and Biol 7 (2) 173-186 Wa
Schistosoma mansoni, rats, effect of exposure to various immunizing regimens upon subsequent resistance, studies on mechanism for development of optimal protective immunity

Immunity, Cell-mediated
Piessens WF et al
1980 Am J Trop Med and Hyg 29 (4) July 563-570 Wa
Brugia malayi, human, anti-microfilarial sheath antibodies of different immunoglobulin classes detected by indirect immunofluorescence, antibodies promoting adherence of buffy coat cells to microfilariae, immunoglobulin on microfilariae isolated from blood of microfilaremic individuals, correlation of serum antibodies and cellular responses to microfilarial antigens with clinical status of single individuals: South Kalimantan, Indonesia

Immunity, Cell-mediated
Piessens WF et al
1980 J Clin Invest 65 (1) Jan 172-179 Wa
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Immunity, Cell-mediated
Piessens WF et al
1981 Acta Trop 38 (3) Sept 227-234 Wa
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Trypanosoma brucei brucei-infected mice as model for study of pancarditis, findings suggest that immune mechanisms may be involved in pathogenesis, offers suitable model for evaluation of efficacy of trypanocidal drugs

Immunity, Cell-mediated
Poulter LW
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Immunity, Cell-mediated
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Immunity, Cell-mediated
Poulter LW; Pearce MT
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Immunity, Cell-mediated
Przyjalkowski Z et al
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 111-116 Wa
Trichinella spiralis-infected germfree and conventional mice, reactivity of lymphocytes

Immunity, Cell-mediated
Przyjalkowski Z; Schollenberger A; Frymus T
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 81-85 Wa
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Immunity, Cell-mediated
Reed SG
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Trypanosoma cruzi, mice, adoptive transfer of resistance to acute infection with T-lymphocyte-enriched spleen cells

Immunity, Cell-mediated
Rees PH et al
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 630-631 Wa
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Immunity, Cell-mediated
Rehbein G et al
1981 Tropenmed u Parasitol 32 (3) Sept 154-156 Wa
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Immunity, Cell-mediated
Rezai HR; Farrell J; Soulsby EL
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L[eishmania] donovani, parasite burdens in liver and spleen of various strains of mice, development of resistance, development of antibody, skin reactivity, adoptive transfer of cells and antibody

Immunity, Cell-mediated
Rieckmann KH et al
1979 Bull World Health Organ 57 suppl 1 139-151 Wa
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Immunity, Cell-mediated
Rocklin RE et al
1980 J Immunol 125 (5) Nov 1916-1923 Wm
Schistosoma mansoni, Kenyan children, cell-mediated (CMI) and humoral immune responses, results imply that several factors affect CMI response during course of infection including factors present in serum (possibly antigen-antibody complexes) and presence of antigen-specific suppressor cells

Immunity, Cell-mediated
Ruebush MJ; Hanson WL
1980 Am J Trop Med and Hyg 29 (4) July 507-515 Wa
Babesia microti of human origin in mice, resistance to and recovery from primary infection is modulated by T lymphocytes, depressed B cell function and normal T cell function are correlates of this infection

Immunity, Cell-mediated
Ruebush MJ; Hanson WL
1980 Cellular Immunol 52 (2) July 1 255-265 Wa
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Immunity, Cell-mediated
Rurangirwa FR et al
1980 Tropenmed u Parasitol 31 (1) Mar 105-110 Wa
Trypanosoma congolense-infected Bos indicus (exper.), reduced primary immune response to Leptospira biflexa immunization, secondary response (after berenil cure and re-immunization) suggested presence of intact memory cell population and was lower than (but not significantly different from) that of controls; effect of post infection serum on in vitro thymidine uptake by lymphocytes and on leucocyte migration

Immunity, Cell-mediated
Samuel AM et al
1978 Indian J Med Research 68 Sept 444-449 Wa
tropical eosinophilia, human, immunoglobulin levels, cell-mediated immune response to 4 helminth antigens, evidence of sensitization to filarial antigen, effect of diethylcarbamazine treatment

Immunity, Cell-mediated
dos Santos RR; Hudson L
1980 Clin and Exper Immunol 40 (1) Apr 36-41 Wa
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Immunity, Cell-mediated
Santos-Buch CA et al
1979 6 Internat Convoc Immunol 262-267 Wm; Wa
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Immunity, Cell-mediated
Sasazuki T et al
1980 J Exper Med 152 (2 pt 2) Aug 1 314s-318s Wm
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Immunity, Cell-mediated
Semprevivo LH et al
1981 J Parasitol 67 (1) Feb 8-14 Wa
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Sher A; Ahmad S; Muller-Berat CN
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Entamoeba histolytica antigen-sensitized peritoneal exudate cells from guinea pigs were employed in capillary tube and agarose plate tests to confirm presence of cell-mediated immune responses, findings suggest that migration inhibitory factor is released as a correlate of cell-mediated immunity

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Shirahata T; Shimizu K
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Immunity, Cell-mediated
Siebert AE jr; Good AH
1980 Exper Parasitol 50 (3) Dec 437-446 Wa
Taenia crassiceps, BALB/c and BDF1 mice, kinetics of primary and secondary infections in vivo, effect of immune serum on larvae in vitro, comparison with previous studies using C3H mice

Immunity, Cell-mediated
Smrkovski LL; Reed SG; Larson CL
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Leishmania donovani, cortisone and cyclophosphamide suppress protective effects of BCG in mice challenged with amastigotes

Immunity, Cell-mediated
Sollod AE; Frank GH
1979 Am J Vet Research 40 (5) May 658-664 Wa
Trypanosoma congolense, cattle (exper.), humoral immune response to nontrypanosomal antigens, peripheral blood lymphocyte responsiveness, no evidence that immunodepression is major pathologic mechanism in acute bovine infection

Immunity, Cell-mediated
Tamura T et al
1979 J Coll Dairying Nat Sc (17) 8 (1) Oct 89-98 Wa
Babesia gibsoni, dogs (exper.), effect of immunosuppressive treatments or splenectomy, results indicated spleen might play important role in immune mechanism and cell-mediated immunity might be related to protection

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Tanner M; Weiss N
1979 Tropenmed u Parasitol 30 (3) Sept 371-375 Wa
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Immunity, Cell-mediated
Taylor DW et al
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Immunity, Cell-mediated
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Immunity, Cell-mediated
Teixeira ARL
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Immunity, Cell-mediated
Thompson RCA; Howell MJ
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Fasciola hepatica, effect of BCG on resistance of rats to infection

Immunity, Cell-mediated
Thong YH; Ferrante A
1980 Clin and Exper Immunol 39 (1) Jan 190-194 Wa
pyrimethamine enhances antibody and delayed-type hypersensitivity responses to sheep red cells in mice and reverses immunodepression of tumour-bearing mice

Immunity, Cell-mediated
Todd CW; Goodgame RW; Colley DG
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 875-881 Wa
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Immunity, Cell-mediated
Trizio D; Della Bruna C; Isetta AM
1980 Immunology 40 (3) July 353-358 Wa
Schistosoma mansoni in different strains of mice, time course of modification of immune responsiveness after cercarial exposure: antibody response, mitogen responsiveness, delayed hypersensitivity; both immunostimulation and immunodepression observed

Immunity, Cell-mediated
Van Dam RH et al
1981 Vet Parasitol 8 (1) Feb 1-11 Wa
Trypanosoma vivax, goats (exper.), suppression of humoral and cell-mediated immunity

Immunity, Cell-mediated
Van Neste D
1981 Internat J Dermat 20 (4) May 264-269 Wm
Sarcoptes scabiei var. hominis, life physiological activities (skin penetration, burrowing mechanism, egg hatching, moults) studied by electron microscopy, possible role of materials associated with these life activities as activators of both cellular and humoral aspects of the host's immune system

Immunity, Cell-mediated
Vardhani VV; Johri GN
1981 J Hyg Epidemiol Microbiol and Immunol 25 (2) 150-154 Wa
Ancylostoma caninum, mice, adoptive immunization with mesenteric lymph node cells, results of challenge 28 days after cell transfer

Immunity, Cell-mediated
Vinayak VK et al
1980 Trop and Geogr Med 32 (4) Dec 298-302 Wa
Entamoeba histolytica, patients with amoebic colitis or hepatic abscess, cell-mediated immune response (CMIR) and humoral antibody response studied using various serologic tests, no clear-cut correlations between CMIR and humoral antibody response were found but CMIR appears to be altered in amoebic patients during acute illness

Immunity, Cell-mediated
Vinayak VK et al
1981 Ann Trop Med and Parasitol 75 (2) Apr 265-267 Wa
Giardia lamblia, mice, adoptive transfer of immunity with immune spleen cells, immune serum failed to protect mice from infection

Immunity, Cell-mediated
Vinayak VK; Bhatia A; Aggarwal A
1981 Indian J Med Research 73 Suppl Jan 67-72 Wm
Plasmodium berghei-infected mice immunodepressed with cortisone or whole body irradiation, immunodepression afforded protection against parasite

Immunity, Cell-mediated
Wadee AA; Sher R
1980 Immunology 41 (4) Dec 989-995 Wm
Schistosoma haematobium, soluble factor released by sensitized mononuclear cells incubated with parasite ova, effects on eosinophil migration, findings may reflect in vitro correlate of cell-mediated immunity and may indicate role played by lymphocyte in control of eosinophil function in human biology

Immunity, Cell-mediated
Wakelin D; Donachie AM
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Trichinella spiralis, adoptive transfer experiments in mouse radiation chimaeras, results indicate that genetic control of worm expulsion is expressed at level of bone marrow-derived cell population and is independent of lymphocyte responsiveness

Immunity, Cell-mediated
Weil GJ; Ottesen EA; Powers KG
1981 Exper Parasitol 51 (1) Feb 80-86 Wa
Dirofilaria immitis, dogs (exper.), parasite-specific humoral (IgG (enzyme-linked immunosorbent assay) and IgE (passive cutaneous anaphylaxis) titers) and cellular (lymphocyte transformation) immune responses, results consistent with observations in other host-parasite systems which suggest that in chronic tissue helminth infections cellular responses to parasite antigens are depressed while antibody reactions to the same antigens are relatively preserved

Immunity, Cell-mediated
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1980 J Parasitol 66 (2) Apr 338-339 Wa
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Immunity, Cell-mediated
Weissberger H; Golenser J; Spira DT
1980 Exper Parasitol 50 (1) Aug 136-143 Wa
Plasmodium berghei, specific stimulation of rat lymphocytes by soluble antigens released in vitro from infected erythrocytes

Immunity, Cell-mediated
Welch JS; Dobson C
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 5-14 Wa
parasitic diseases, immunodiagnosis, utility of in vitro lymphocyte proliferative responsiveness with particular reference to sensitivity and specificity using antigens purified by affinity chromatography, comparison with 3 immunofluorescence tests

Immunity, Cell-mediated
Weller PF; Ottesen EA; Heck L
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 809-814 Wa
Wuchereria bancrofti, human, immediate and delayed hypersensitivity skin test responses to Dirofilaria immitis filarial skin test (Sawada) antigen, findings document limitations of this antigen preparation in immunodiagnosis of filariasis in residents of an endemic area: Mauke, Cook Islands

Immunity, Cell-mediated
Willadsen P
1980 Advances Parasitol 18 293-313 Wa
immunity to ticks, review: expression of immunity; nature of immunological response (antibody and complement; delayed hypersensitivity; immediate hypersensitivity; cellular reactions); artificial immunization and nature of tick antigens

Immunity, Cell-mediated
Wing EJ; Remington JS
1980 Immunology 40 (2) June 239-246 Wa
activated macrophages pre-incubated in vitro enhance rather than suppress mitogen-stimulated lymphocyte transformation but paradoxically do not lose capacity to inhibit multiplication of intracellular Toxoplasma gondii

Immunity, Cell-mediated
Wyler DJ et al
1981 J Infect Dis 144 (3) Sept 254-262 Wa
Schistosoma mansoni, in vitro model, metabolic interactions between egg granuloma soluble products and fibroblasts, influence on pathogenesis of hepatic fibrosis, implications also for S. japonicum producing granulomas

Immunity, Cell-mediated
Wyler DJ; Blackman HJ; Lunde MN
1980 Am J Trop Med and Hyg 29 (6) Nov 1181-1186 Wa
Toxoplasma gondii, patients with toxoplasmal retinochoroiditis vs. seropositive and seronegative controls, antibody titers, in vitro lymphoproliferative responses to toxoplasmal and retinal antigens, observations raise possibility of autoimmune component in pathogenesis of relapses in toxoplasmal retinochoroiditis

Immunity, Cellular See Immunity, Antibody-dependent cell-mediated; Immunity, Cell-mediated

Immunity, Circumoval precipitin test See Immunity, Precipitation

Immunity, Complement See Complement; Immunity, Complement fixation

Immunity, Complement fixation
Aikat BK et al
1979 Indian J Med Research 70 Oct 592-597 Wa
kala-azar, diagnosis in human subjects sampled from endemic area, counter immunoelectrophoresis, distinct relationship between test positivity, splenic size, and duration of illness, comparison with other serological tests: Bihar

Immunity, Complement fixation
de Almeida JWR; Camargo ME; Amato Neto V
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Trypanosoma cruzi, non-treated patients with chronic Chagas infection, variations in serum titers obtained with complement fixation test make this test unacceptable as an evaluation index for therapeutics

Immunity, Complement fixation
Amerault TE et al
1980 Am J Vet Research 41 (3) Mar 435-438 Wa
Anaplasma marginale, cattle, effect of phenol on card-agglutination and micro-complement-fixation tests

Immunity, Complement fixation
Amerault TE; Rose JE; Kuttler KL
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Immunity, Complement fixation
Applewhaite LM; Craig TM; Wagner GG
1981 Trop Animal Health and Prod 13 (1) Feb 13-18 Wa
Babesia bigemina, B. bovis, native and imported cattle, serological prevalence, comparison of indirect fluorescent antibody and complement fixation tests, effect of host age: Guyana

Immunity, Complement fixation
Aspoeck H
1980 Med Lab 33 (9) Sept 240-248 Wm
Toxoplasma, humans, diagnosis, immunological test comparisons (immunofluorescence, Sabin-Feldman dye test, complement fixation, indirect hemagglutination test)

Immunity, Complement fixation
Cacciapuoti B et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31, 121-128 Wa
Toxoplasma, prevalence of infection in mothers in labor and their newborn babies vs. prevalence of antitoxoplasma antibodies (indirect immunofluorescence and modified complement fixation tests) in the same pairs, hypothesis of long-lasting passive congenital immunity to Toxoplasma infection: Bergamo, Italy

Immunity, Complement fixation
Carlier Y et al
1980 Bull World Health Organ 58 (1) 99-105 Wa
Toxoplasma gondii, humans, diagnosis, evaluation of the enzyme-linked immunosorbent assay and other serological tests, techniques and sera evaluated in 3 different laboratories

Immunity, Complement fixation
Chatterjee RK et al
1978 Indian J Med Research 67 Jan 34-41 Wa
Chandlerella hawkingi, antiserum raised in rabbits, precipitating and complement-fixing antibodies, antigenic mosaic, cross reactions with Litomosoides carinii and Wuchereria bancrofti, possibility of using avian filarial antigens in diagnosis of human filariasis

Immunity, Complement fixation
Donnelly J et al
1980 Trop Animal Health and Prod 12 (1) Feb 50-60 Wa
Babesia equi, B. caballi, horses, comparison of complement fixation and immunofluorescent antibody tests in prevalence survey; presence of tick vectors: Sultanate of Oman

Immunity, Complement fixation
Donnelly J; Joyner LP; Frank C
1980 Trop Animal Health and Prod 12 (4) Nov 253-258 Wa
Babesia equi, B. caballi, prevalence in horses, comparison of complement fixation and indirect fluorescent antibody tests; Hyalomma anatolicum anatolicum present: Kuwait

Immunity, Complement fixation
Duffus WPH; Wagner GG
1980 Vet Parasitol 6 (4) Mar 313-324 Wa
Theileria parva, cattle (nat. and exper.), immunodiagnosis, comparison of 5 serological tests using piroplasm antigen (indirect fluorescent antibody, indirect haemagglutination, complement fixation, capillary agglutination, and immunodiffusion)

Immunity, Complement fixation
Faria R
1980 Rev Paul Med 96 (1-2) July-Aug 33-36 Wm
Trypanosoma cruzi, diagnostic screening of potential blood donors using the complement fixation test and antigen stabilized against enzymatic hydrolytic denaturation and bacterial contamination, potentially more efficient and accurate test

Immunity, Complement fixation
Ferrucci M
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toxoplasmosis, humans, comparative review of currently used diagnostic tests

Immunity, Complement fixation
Filice G et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31 129-136 Wa
toxoplasmosis, human, serological diagnosis, new complement fixation test compared with indirect immunofluorescence and indirect haemoagglutination tests

Immunity, Complement fixation
Francis DH; Buening GM; Amerault TE
1980 Am J Vet Research 41 (3) Mar 362-367 Wa
Anaplasma marginale, cattle, evaluation of potential of dodecanoic acid conjugation of vaccines in limiting isoimmune response; characterization of humoral immune responses to Anaplasma and erythrocyte components of Anaplasma vaccine

Immunity, Complement fixation
Fuchs AP et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 242-245 Wm
T[rypanosoma] cruzi, Chagas disease patients, serological diagnostic test results compared (indirect immunofluorescence, indirect hemagglutination, complement fixation, ELISA) with clinical findings

Immunity, Complement fixation
Fuchs V et al
1981 Ceskoslov Gynek 46 (1) Feb 7-11 Wm
pregnant women who had undergone amniocentesis for possible genetic problems of fetuses, serological diagnostic tests showed higher than average positive reactions for toxoplasmosis

Immunity, Complement fixation
Fujinaga T; Minami T
1981 Vet Parasitol 8 (2) May 115-126 Wa
Theileria sergenti, Babesia ovata, cattle (exper.), relationships between parasitaemia, erythrocyte counts, indirect fluorescent antibody- and complement fixation-test titres, use of IFA and CF tests for serodiagnosis of natural infections of theileriosis and babesiosis in cattle in Japan

Immunity, Complement fixation
Fujisaki K; Takeuchi S; Kitaoka S
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Haemaphysalis longicornis, rabbits repeatedly infested with female ticks, development of acquired resistance and production of precipitating and complement-fixing antibodies

Immunity, Complement fixation
Furtado T
1980 An Brasil Dermat 55 (2) Apr-June 81-86 Wm
American cutaneous leishmaniasis, human, diagnosis, review: detection of organisms, skin tests, complement fixation, indirect immunofluorescence

Immunity, Complement fixation
Heyberger K et al
1979 Sborn Lekar 81 (11-12) Nov-Dec 347-348 Wm
toxoplasmosis, trichomoniasis, humans, diagnosis, leukocyte adherence inhibition test, results compare favorably with complement fixation and immunofluorescence tests

Immunity, Complement fixation
Hoerchner F; Bofenschen F; Zander B
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Trypanosoma b. brucei, T. congolense, T. vivax, serological differentiation, immunoperoxidase, immunofluorescence, immunoperoxidase-complement fixation, and immunofluorescence-complement fixation tests compared

Immunity Complement fixation
Jacquemin JL; Colasson F; Larroque V
1980 Arch Med Ouest 12 (6) June-July 307-311 Wm
toxoplasmosis, pregnant women, diagnostic serology, prophylactic measures suggested

Immunity, Complement fixation
Jira J et al
1980 Casop Lek Cesk 119 (12-13) Mar 369-372 Wm
Toxoplasma gondii, human sera, diagnosis, complement fixation test vs. indirect fluorescent antibody test

Immunity, Complement fixation
Joyner LP; Donnelly J; Huck RA
1981 Equine Vet J 13 (2) Apr 103-106 Wa
Babesia equi, B. caballi, complement fixation tests performed on horses destined for international movement from Great Britain and Ireland during 1976 to 1979, all positive animals had spent some part of their life outside the British Isles, test not really suitable for equids other than horses

Immunity, Complement fixation
Knierim F et al
1980 Bol Chileno Parasitol 35 (3-4) July-Dec 62-66 Wm
Toxoplasma gondii, humans, diagnosis, comparative evaluation of indirect hemagglutination test, dye test, and complement fixation test

Immunity, Complement fixation
Kozojed V et al
1980 Casop Lek Cesk 119 (48) Nov 28 1310-1315 Wm
Toxoplasma antigen used to compare indirect haemagglutination test with complement fixation and indirect fluorescent antibody tests, diagnosis of human toxoplasmosis

Immunity, Complement fixation
van Loon A; van der Veen J
1980 J Clin Path 33 (7) July 635-639 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for quantitation of antibodies in human sera, sensitivity compared with immunofluorescence and complement fixation

Immunity, Complement fixation
Luther DG; Cox HU; Nelson WO
1980 Am J Vet Research 41 (12) Dec 2085-2086 Wa
anaplasmosis, comparisons of complement-fixation and card-agglutination tests with calf inoculations for detection of carriers in herd of cattle 15 months after discontinuing vaccination for anaplasmosis

Immunity, Complement fixation
McHardy N
1980 Vet Parasitol 7 (4) Dec 287-296 Wa
Anaplasma marginale, cattle, serological responses (complement fixation and capillary tube agglutination tests) following treatment with gloxazone

Immunity, Complement fixation
Miller EC
1980 Zentralbl Gynak 102 (5) 283-294 Wm
Toxoplasma gondii, humans, diagnosis, qualitative and quantitative comparisons of dye test, complement fixation, and intradermal test

Immunity, Complement fixation
Miller EC
1980 Zentralbl Gynak 102 (13) 702-708 Wm
Toxoplasma gondii, humans, changes in antibody titers during pregnancy determined using the dye test, skin test, and complement fixation test, diagnostic value of titer changes and correlations with choriogonadatrophic hormones excreted in urine

Immunity, Complement fixation
Minami T et al
1980 National Inst Animal Health Quart Tokyo 20 (2) Summer 44-52 Wa
Theileria sergenti, comparison of Japanese and Russian strains in cattle: morphology, clinical and hematologic findings, transmission by Haemaphysalis longicornis, serology in complement fixation and indirect fluorescent antibody tests

Immunity, Complement fixation
Pakan J et al
1980 Bratisl Lekar Listy 73 (5) May 580-585 Wm
toxoplasmosis, diagnostic importance of seroimmunological testing of pregnant women in order to reduce prenatal infections and abortions: Bratislava

Immunity, Complement fixation
Paull NI; et al
1980 Austral Vet J 56 (6) June 267-271 Wa
Anaplasma marginale, Bos indicus-cross calves, epidemiologic aspects in 2 endemic areas, clinical, haematological, and serological responses in vaccinated and unprotected calves, seasonal activity of Boophilus microplus, complement fixation test most effective in detection of recent infections: northern Queensland

Immunity, Complement fixation
Pereira CA et al
1980 Rev Inst Med Trop S Paulo 22 (4) July-Aug 180-183 Wm
Trypanosoma cruzi, human serum, diagnosis, automated complement fixation test, more sensitive than similar techniques, applications for blood banks and research using large numbers of serum samples

Immunity, Complement fixation
Peters M et al
1979 Tropenmed u Parasitol 30 (4) Dec 409-416 Wa
Entamoeba histolytica, human hepatic abscesses, retrospective clinical evaluation of 27 cases: diagnostic methods, clinical findings, medical vs. surgical therapy

Immunity, Complement fixation
Pokorny J et al
1979 J Hyg Epidemiol Microbiol and Immunol 23 (3) 353-356 Wa
Toxoplasma gondii, tween-ether antigen compared with frozen and thawed as well as commercial antigens for diagnosis of toxoplasmosis in human sera, complement fixation and Sabin-Feldman tests

Immunity, Complement fixation
Rugai E et al
1979 Rev Inst Adolfo Lutz 39 (1) June 1-3 Wa
Trypanosoma cruzi, in vitro technique for preparing methylic antigen for complement fixation test

Immunity, Complement fixation
Salfelder A; Mannweiler E
1981 Tropenmed u Parasitol 32 (3) Sept 194-196 Wa
mucocutaneous leishmaniasis, malaria, Chagas' disease, amebiasis, patient sera examined with 5 antigens (Leishmania donovani, Trypanosoma cruzi, Plasmodium fieldi, P. falciparum, Entamoeba histolytica) in indirect fluorescent antibody test, complement fixation test, indirect hemagglutination test, and latex agglutination test: Venezuela

Immunity, Complement fixation
Siau Y
1980 Ztschr Parasitenk 62 (1) 1-6 Wa
Myxobolus exiguus, lyophilized antigens injected into rabbits and Mugil cephalus, presence of antibodies in serum evaluated by several immunologic techniques

Immunity, Complement fixation
Soule C; Chevrier L; Dorchies P
1979 Rev Med Vet Toulouse 130 (11) Nov 1523-1529 Wa
Babesia equi, B. caballi, horses, serological diagnosis using complement fixation microtechnique

Immunity, Complement fixation
Spencer HC et al
1980 Am J Trop Med and Hyg 29 (2) Mar 179-182 Wa
Trypanosoma cruzi, human, serodiagnosis, evaluation of micro enzyme-linked immunosorbent assay, comparison with complement fixation and indirect fluorescent antibody tests

Immunity, Complement fixation
Staak C; Kelley S
1979 Tropenmed u Parasitol 30 (3) Sept 283-286 Wa
Trypanosoma-infected cattle under controlled drug regimes, complement fixation test assessment showed that therapy was insufficiently effective: Kenya

Immunity, Complement fixation
Tabel H et al
1981 Tropenmed u Parasitol 32 (3) Sept 149-153 Wa
Trypanosoma vivax, T. congolense, cattle, serum levels of immunoglobulins, natural heterophile antibodies to chicken and sheep red blood cells, and complement-fixing antibodies to T. vivax, concluded that there was little evidence for polyclonal activation of lymphocytes and that decreased $IgG_1$ levels in T. congolense group might have been reflection of immunosuppression, complement fixation test proved to be sensitive tool for monitoring antibody response to T. vivax, analogous complement fixation test could not be set up with T. congolense

Immunity, Complement fixation
Tello P
1980 Bol Chileno Parasitol 35 (1-2) Jan-June 21-24 Wm
Toxoplasma gondii, diagnosis in pregnant women and their newborn infants using various immunological tests, treatment recommendations

Immunity, Complement fixation
Thoen CO et al
1980 J Clin Microbiol 11 (5) May 499-502 Wm
Anaplasma marginale, cattle, diagnosis, enzyme-linked immunosorbent assay, comparison with card test and complement fixation test

Immunity, Complement fixation
Thomas V; Ogunba EO; Fabiyi A
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parasitic infections, humans, application of immunodiagnostic tests discussed in relation to conditions operating in developing countries where diagnostic facilities are often limited, immunofluorescence antibody test identified as the test that could be used universally with success, review

Immunity, Complement fixation
Todorov T et al
1979 Bull World Health Organ 57 (5) 735-740 Wa
echinococcosis, patients operated on for pulmonary infections, diagnostic value of 5 immunological tests compared

Immunity, Complement fixation
Todorov T et al
1979 Bull World Health Organ 57 (5) 741-750 Wa
pulmonary echinococcosis, humans, comparison of geometric mean titres of antibody response using 5 immunodiagnostic procedures and the role of certain factors in determining immunoreactivity

Immunity, Complement fixation
Todorov T; Stoianov G
1979 Bull World Health Organ 57 (5) 751-758 Wa
echinococcosis, humans, hepatic vs. pulmonary cysts, antibody levels studied by various immunological tests before and after surgical therapy, prognosis based on changes in titres

Immunity, Complement fixation
Tomlinson MJ et al
1981 Am J Vet Research 42 (8) Aug 1444-1446 Wa
Trypanosoma cruzi, dogs, serological survey using complement-fixation and direct-agglutination tests: southeastern United States

Immunity, Complement fixation
Vottero-Cima E; Faillaci MG; Rubiolo E
1979 Acta Physiol Latinoam 29 (4-5) 263-270 Wa
Trypanosoma cruzi, humans, detection of humoral immune response, solid-phase micro-radioimmunoassay test, comparison with complement-fixation, indirect hemagglutination, and immunofluorescence tests

Immunity, Complement fixation
Windon RG; Dineen JK
1981 Internat J Parasitol 11 (1) Feb 11-18 Wa
Trichostrongylus colubriformis, effect of selection of both sire and dam on response of $F_1$ generation lambs to vaccination with irradiated larvae, faecal egg counts, levels of complement-fixing antibody in serum, in vitro lymphocyte stimulation

Immunity, Congenital See Immunity, Native; Immunity, Passive

Immunity, Cross-immunity See Immunity, Cross-reactions

Immunity, Cross-reactions
Anderson JF; Magnarelli LA; Sulzer AJ
1980 Am J Vet Research 41 (12) Dec 2102-2105 Wa
Babesia gibsoni, dogs (nat. and exper.), diagnosis, indirect fluorescent antibody test, reciprocal titers of anti-B. gibsoni sera to homologous and heterologous Babesia antigens and to Plasmodium antigens

Immunity, Cross-reactions
Anthony RL; Christensen HA; Johnson CM
1980 Am J Trop Med and Hyg 29 (2) Mar 190-194 Wa
New World leishmaniasis, human, serodiagnosis, micro enzyme-linked immunosorbent assay with Leishmania braziliensis panamensis promastigote antigens, comparison with indirect immunofluorescence, unidirectional cross-reactivity with sera from Chagas' disease patients

Immunity, Cross-reactions
Bell RG; McGregor DD
1980 Infect and Immun 29 (1) July 186-193 Wa
Trichinella spiralis, parabiotic rats used to demonstrate requirement for 2 discrete stimuli for induction of intestinal rapid expulsion response: immunologically specific systemic component (induced by preadults); nonspecific local intestinal component (induced by adult trichinae or by Heligmosomoides polygyrus)

Immunity, Cross-reactions
Bell RG; McGregor DD
1980 Infect and Immun 29 (1) July 194-199 Wa
Trichinella spiralis, rats, coinduction of rapid expulsion response by using antigenic extracts of larvae and intestinal stimulation with unrelated parasite (Heligmosomoides polygyrus)

Immunity, Cross-reactions
Ben-Ismail R et al
1980 Am J Trop Med and Hyg 29 (2) Mar 239-245 Wa
Echinococcus granulosus, Fasciola hepatica, P1 antigen sharing may be responsible for hydatid indirect hemagglutination test cross-reactivity in P1-negative individuals

Immunity, Cross-reactions
Bottone U; Orlandi M
[1980] Riv Parassitol Roma 40 (1-2) 1979 171-175 Issued Feb Wa
Toxocara canis, Ascaris suum, rabbits (exper.), diagnosis, peritoneal cell adherence reaction test, cross-reactions observed

Immunity, Cross-reactions
Callow LL; et al
1979 Austral Vet J 55 (12) Dec 555-559 Wa
Babesia equi, horses, evaluation of indirect fluorescent antibody test, diagnosis; cross-reactivity between B. equi and B. bovis of cattle suggested that B. bovis would not interfere with test for B. equi, but that reverse was possible

Immunity, Cross-reactions
Chandra R et al
1978 Indian J Med Research 68 July 61-66 Wa
Wuchereria bancrofti, subjects from endemic vs. non-endemic area, diagnosis by skin test, comparison of Brugia malayi infective larval whole worm antigen vs. homologous W. bancrofti larval antigen, no cross reactions with helminth infections

Immunity, Cross-reactions
Chatterjee RK et al
1978 Indian J Med Research 67 Jan 34-41 Wa
Chandlerella hawkingi, antiserum raised in rabbits, precipitating and complement-fixing antibodies, antigenic mosaic, cross reactions with Litomosoides carinii and Wuchereria bancrofti, possibility of using avian filarial antigens in diagnosis of human filariasis

Immunity, Cross-reactions
Christensen NO et al
1980 Exper Parasitol 49 (1) Feb 116-121 Wa
Schistosoma mansoni, Fasciola hepatica, mice, cross-resistance, not stimulated by single-sex schistosome infections

Immunity, Cross-reactions
Christensen NO et al
1981 Ztschr Parasitenk 65 (3) 293-298 Wa
Schistosoma spp., primary mixed-sex vs. single-sex infections, mice, cross-resistance to challenge with Fasciola hepatica and Echinostoma

Immunity, Cross-reactions
Conder GA; Andersen FL; Schantz PM
1980 J Parasitol 66 (4) Aug 577-584 Wa
Echinococcus granulosus, sheep (exper.), immunodiagnosis, evaluation of double diffusion, immunoelectrophoresis, indirect hemagglutination, and intradermal tests, some cross-reactions with serum from Taenia hydatigena-infected sheep

Immunity, Cross-reactions
Craig PS et al
1981 Parasitology 83 (2) Oct 303-317 Wa
Echinococcus granulosus, sheep, murine hybridoma-derived antibodies in processing of antigens for immunodiagnosis

Immunity, Cross-reactions
Craig PS; Rickard MD
1980 Ztschr Parasitenk 61 (3) 287-297 Wa
Taenia saginata, use of 'crude' antigen in micro-enzyme-linked immunosorbent assay for diagnosis of T. saginata cysticercosis in cattle (nat. and exper.), cross-reactions with sera from cattle harbouring other common parasites particularly Fasciola hepatica

Immunity, Cross-reactions
Craig PS; Rickard MD
1981 Internat J Parasitol 11 (6) Dec 441-449 Wa
larval cestode infections of cattle and sheep, attempt at specific immunodiagnosis using antigens purified by affinity chromatography in enzyme-linked immunosorbent assay

Immunity, Cross-reactions
Cursons RTM; et al
1980 Infect and Immun 29 (2) Aug 408-410 Wa
Naegleria spp., sensitized guinea pigs, cross-reactivity of homologous and heterologous antigens as judged by delayed hypersensitivity skin test and macrophage inhibition test, possible role of cell-mediated immunity in defense against pathogenic free-living amoebae

Immunity, Cross-reactions
Dasgupta A et al
1980 J Helminth 54 (2) June 83-86 Wa
Wuchereria bancrofti, human, immunodiagnosis, detection of precipitin antibody and soluble circulating antigen by counterimmunoelectrophoresis using Litomosoides carinii antigen/antibody system

Immunity, Cross-reactions
Dash KM
1981 Internat J Parasitol 11 (3) June 201-207 Wa
Oesophagostomum columbianum, O. venulosum, sheep (exper.), single and mixed infections, interactions studied by comparing establishment, development, and distribution of each species, results discussed in relation to changes in incidence of the two species in sheep on the Northern Tablelands of New South Wales

Immunity, Cross-reactions
Derouin F et al
1980 Path Biol 28 (7) Sept 465-468 Wa
schistosomiasis, human, enzyme-linked immunosorbent assay using Schistosoma mansoni antigens, false positive reactions with certain other parasitic and non-parasitic diseases, comparison with immunofluorescence and immunoenzymology done on adult sections

Immunity, Cross-reactions
Dissanayake S; Ismail MM
1980 Bull World Health Organ 58 (4) 649-654 Wa
Setaria digitata antigens, characterization, cross-reaction with surface antigens of Wuchereria bancrofti microfilariae and serum antibodies of W. bancrofti-infected subjects demonstrated with inhibition of indirect immunofluorescence and enzyme-linked immunosorbent asssy technique respectively

Immunity, Cross-reactions
Dissanayake S; Ismail MM
1980 Bull World Health Organ 58 (4) 655-657 Wa
Wuchereria bancrofti infection in man, diagnosis using enzyme-linked immunosorbent assay with Setaria digitata as antigen, immune sera from cattle infected with S. digitata can be used to selectively block cross reactions with serum antibodies in subjects who show no evidence of W. bancrofti infection

Immunity, Cross-reactions
Doy TG; Hughes DL; Harness E
1981 Parasite Immunol 3 (2) Summer 171-180 Wa
Fasciola hepatica, rats, heterologous protection against challenge by prior infection with Nippostrongylus brasiliensis, resistance appeared to be associated with prior induction of intestinal eosinophilia

Immunity, Cross-reactions
Eugui EM; Allison AC
1979 Bull World Health Organ 57 suppl 1 231-238 Wa
Plasmodium chabaudi, course of infection in different strains of mice, cross immunity between P. chabaudi and P. yoelii in different mouse strains, changes in spleen at different intervals after infection, natural killer activity in spleens of mice infected with malaria

Immunity, Cross-reactions
Falk ES; Bolle R
1980 Brit J Dermat 103 (3) Sept 283-288 Wa
Sarcoptes scabiei, humans, positive radioallergosorbent test to Dermatophagoides pteronyssinus, elevated serum IgE concentrations, atopic disease

Immunity, Cross-reactions
Forsyth KP et al
1981 Acta Trop 38 (3) Sept 343-352 Wa
Onchocerca gibsoni, major radioiodinated cuticular antigens of microfilariae are neither species nor Onchocerca specific, implications for potential of microfilarial cuticular antigens for immunodiagnosis of human filariasis

Immunity, Cross-reactions
Franco EL et al
1980 J Clin Microbiol 12 (6) Dec 780-784 Wa
Toxoplasma gondii IgG and IgM polar staining in indirect immunofluorescence test, prevalence of positive reactions in sera of patients with Trypanosoma cruzi, Leishmania donovani, and L. braziliensis

Immunity, Cross-reactions
Fucs R; Barcinski MA
1981 J Parasitol 67 (4) Aug 463-467 Wa
Herpetomonas samuelpessoai, dependence on macrophages of guinea pig T-cell immune response, demonstration of cross-reactivity at cellular level between H. samuelpessoai and Trypanosoma cruzi antigens

Immunity, Cross-reactions
Fujinaga T; Minami T; Ishihara T
1980 Research Vet Sc 29 (2) Sept 230-234 Wa
Babesia sp., large species from Japanese cattle, serological relationships with B. major (British and Dutch strains), B. bigemina (Kochinda strain) and B. bovis (Miyara strain), immunofluorescent antibody technique

Immunity, Cross-reactions
Fuller GK; Lemma A; Haile T
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 205-208 Wa
people with varying histories of exposure to Trypanosoma and Leishmania, comparison of skin-test responses using antigen from Leishmania donovani and a lizard trypanosome, sex differences: Ethiopia

Immunity, Cross-reactions
Geerts S et al
1981 Research Vet Sc 30 (3) May 288-293 Wa
Taenia saginata cysticercosis, cattle (nat. and exper.), serodiagnosis, enzyme linked immunosorbent assay using T. crassiceps metacestode antigen, sensitivity and specificity

Immunity, Cross-reactions
Geerts S et al
1981 Vet Parasitol 8 (4) Sept 299-307 Wa
Taenia saginata cysticercosis in cattle (nat. and exper.), diagnosis, comparative evaluation of immunoelectrophoresis, counterimmunoelectrophoresis, and enzyme linked immunosorbent assay (T. saginata used as antigen for first 2, T. crassiceps for ELISA), also tested against sera of cattle and sheep with other helminth infections, some cross-reactions, none of 3 tests sufficiently reliable to make diagnosis on individual basis, may be useful for diagnosis on herd basis

Immunity, Cross-reactions
Geerts S; Kumar V; Aerts N
1980 Ann Soc Belge Med Trop 60 (2) June 173-182 Wa
Taenia saginata cysticercosis, cattle (exper.), rapid diagnosis using counterimmunoelectrophoresis, procedural details, comparisons with immunoelectrophoresis method, few cross reactions with other parasitic infections

Immunity, Cross-reactions
Giambrone JJ; Klesius PH
1980 Poultry Science 59 (8) Aug 1715-1721 Wa
Eimeria spp., correlation between resistance and delayed hypersensitivity reactions in chickens previously immunized by repeated infections with living parasites or CocciVac D; immunologic cross reactivity of E. tenella, E. necatrix, E. maxima, and E. bovis

Immunity, Cross-reactions
Gill BS et al
1980 Research Vet Sc 29 (1) July 93-97 Wa
Theileria annulata, susceptible calves, immunological relationships among 5 Indian strains (virulence, protection against homologous and heterologous challenges)

Immunity, Cross-reactions
Gorin PAJ; Barreto-Bergter EM; da Cruz FS
1981 Carbohydrate Research 88 (2) Feb 2 177-188 Wa
Trypanosoma cruzi, chemical structure of D-galacto-D-mannan component, $^{13}$C-N.M.R. shift dependence on structure of D-galactose to D-mannose linkage, resemblances only to minor polysaccharide components of Herpetomonas samuelpessoai and Crithidia fasciculata (which stimulate resistance against Chagas' disease in laboratory animals)

Immunity, Cross-reactions
Goven BA; Dawe DL; Gratzek JB
1980 J Fish Biol 17 (3) Sept 311-316 Wa
Ichthyophthirius multifiliis, immunization of Ictalurus punctatus using ciliary and whole cell antigens of I. multifiliis and Tetrahymena pyriformis, T. pyriformis ciliary antigens provided greatest degree of protection

Immunity, Cross-reactions
Goven BA; Dawe DL; Gratzek JB
1981 Aquaculture 23 (1-4) Apr 269-273 Wa
Ichthyophthirius multifiliis, protective immunity of Ictalurus punctatus against challenge infections by immunization with varying doses of Tetrahymena pyriformis ciliary antigen

Immunity, Cross-reactions
Goven BA; Dawe DL; Gratzek JB
1981 Develop and Comp Immunol 5 (2) Spring 283-289 Wa
Ichthyophthirius multifiliis, Tetrahymena pyriformis, in vitro demonstration of serological cross-reactivity (immobilization test, indirect fluorescent antibody staining, passive hemagglutination), results indicate antigenic relationship

Immunity, Cross-reactions
Gray MA et al
1980 Research Vet Sc 29 (3) Nov 360-366 Wa
Theileria parva, T. annulata, cattle, serodiagnosis, enzyme linked immunosorbent assay, comparison with indirect fluorescent antibody test, significant cross-reaction in ELISA with sera from calf infected with Babesia bigemina but not from animals infected with other Babesia spp. or Theileria spp.

Immunity, Cross-reactions
Grootenhuis JG; Young AS; Uilenberg G
1981 Vet Parasitol 8 (1) Feb 39-47 Wa
Theileria taurotragi from Taurotragus oryx, Theileria sp. (Idobogo) from cattle, cross-transmission and cross-immunity studies, appears that they represent strains of the same species which are adapted to different hosts

Immunity, Cross-reactions
Grun JL; Weidanz WP
1981 Nature London (5802) 290 Mar 12 143-145 Wa
Plasmodium chabaudi adami infection in B-cell-deficient mice results in activation of T-cell-dependent immune mechanism which terminates acute malaria in similar way to that in immunologically intact mice, these immunized B-cell-deficient mice were resistant to homologous challenge and P. vinckei challenge but not to P. yoelii or P. berghei

Immunity, Cross-reactions
Guimaraes MCS et al
1981 Am J Trop Med and Hyg 30 (5) Sept 942-947 Wa
mucocutaneous leishmaniasis, kala-azar, and Chagas' disease sera tested in ELISA and immunofluorescence tests with Trypanosoma cruzi, Leishmania donovani, and L. braziliensis antigens, antigen obtained from live T. cruzi epimastigotes appears to be usable to distinguish between antibodies to T. cruzi and to Leishmania

Immunity, Cross-reactions
Hackett F et al
1981 Vet Parasitol 8 (2) May 137-142 Wa
Taenia hydatigena, diagnosis of metacestode infections in lambs, micro ELISA (T. hydatigena cyst fluid antigen) and indirect haemagglutination (T. hydatigena and T. multiceps cyst fluid antigens) tests

Immunity, Cross-reactions
Harrison LJS; Sewell MMH
1981 Research Vet Sc 31 (1) July 62-64 Wa
Taenia saginata, cattle, comparison of T. saginata proglottid extract, T. saginata metacestode excretory/secretory products, and T. crassiceps metacestode extract for use as serodiagnostic antigens in enzyme linked immunosorbent assay; cross-reaction of T. saginata proglottid extract with sera from Ostertagia ostertagi infected cattle: Britain

Immunity, Cross-reactions
Hayunga EG; Vannier WE; Chesnut RY
1981 J Parasitol 67 (4) Aug 589-591 Wa
Schistosoma haematobium, partial characterization of radiolabeled antigens, similarity to S. mansoni, S. japonicum, and Fasciola hepatica

Immunity, Cross reactions
Heath, DD; Lawrence SB; Yong WK
1979 Research Vet Sc 27 (2) Sept 210-212 Wa
Echinococcus granulosus, Taenia hydatigena, T. ovis, lambs, cross-protection from oral challenge with eggs from either homologous or heterologous species

Immunity, Cross-reactions
Heller-Haupt A; Varma MRG; Langi AO
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 147-148 Wa
4 species of ixodid ticks on laboratory animals, acquired resistance to secondary infestation with same species but either partial or no resistance to infestation with another species

Immunity, Cross-reactions
Hillyer GV
1981 J Parasitol 67 (5) Oct 731-733 Wa
Schistosoma mansoni-infected mice develop resistance to infection with Fasciola hepatica

Immunity, Cross-reactions
Hillyer GV et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 121-126 Wa
Schistosoma mansoni, S. haematobium, human, serodiagnosis, circumoval precipitin test, complete cross-reactivity between species, S. haematobium eggs from urine can be used, serum obtained by venipuncture is preferable to serum eluates obtained from blood on filter paper

Immunity, Cross-reactions
Hillyer GV; Pelley RP
1980 Am J Trop Med and Hyg 29 (4) July 582-585 Wa
Schistosoma mansoni, monoclonal hybridoma antibody to major serological egg antigen (anti-MSA$_1$) reacted with schistosome eggs forming circumoval precipitate, precipitate was seen when anti-MSA$_1$ was incubated with S. mansoni, S. haematobium, and S. japonicum eggs

Immunity, Cross-reactions
Hillyer GV; Sagramoso de Ateca L
1980 Am J Trop Med and Hyg 29 (4) July 598-601 Wa
Schistosoma mansoni or Fasciola hepatica in mice, antibody responses to antigen preparations from both species, Ouchterlony immunodiffusion, circumoval precipitin test, enzyme-linked immunosorbent assay, indirect hemagglutination

Immunity, Cross-reactions
Hillyer GV; Santiago de Weil N
1981 Internat J Parasitol 11 (1) Feb 71-78 Wa
Fasciola hepatica, mice, rats, rabbits, counterelectrophoresis useful for serodiagnosis and for predicting chemotherapeutic success; F. hepatica antigens cross react with antisera to S[chistosoma] mansoni adult worms or eggs

Immunity, Cross-reactions
Holder AA; Cross GAM
1981 Molec and Biochem Parasitol 2 (3-4) Feb 135-150 Wa
Trypanosoma brucei, glycopeptides from variant surface glycoproteins, amino acid and sugar composition and partial or complete amino acid sequence, C-terminal location of antigenically cross-reacting carbohydrate moieties

Immunity, Cross-reactions
Hurley JC; Day KP; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (3) June 231-240 Wa
Nematospiroides dubius, accelerated rejection of intestinal worms in mice sensitized with adult worms or worm products by various routes, host age, sex, and strain as factors; some slight degree of cross-sensitization with Nippostrongylus brasiliensis

Immunity, Cross-reactions
Janechaiwat J et al
1980 J Med Ass Thailand 63 (8) Aug 439-447 Wm
Opisthorchis viverrini, immunoelectrophoresis test used to diagnose infection in man and to follow course of humoral immune response in hamsters infected with metacercariae; some cross reactions in humans infected with Mekong schistosomiasis or gnathostomiasis

Immunity, Cross-reactions
Johnston LAY; et al
1980 Austral Vet J 56 (3) Mar 116-118 Wa
Anaplasma marginale, comparison of direct fluorescent antibody and Giemsa staining for post-mortem diagnosis; cross reactions between A. marginale and A. centrale

Immunity, Cross-reactions
Kennedy MW
1980 Parasitology 80 (1) Feb 61-72 Wa
Trichinella spiralis, Nippostrongylus brasiliensis, immunologically-mediated non-specific interactions between intestinal phases of the two species in the mouse

Immunity, Cross-reactions
Keus A; Kloosterman A; van den Brink R
1981 Vet Parasitol 8 (3) July 229-236 Wa
Cooperia spp., Ostertagia spp., calves, detection of antibodies with enzyme linked immunosorbent assay, some degree of genus specificity when using L$_4$ or adult antigens but not L3 antigens, stage-specificity observed for Cooperia L$_4$ antigen for limited period after primary single infection

Immunity, Cross-reactions
Khamis Y; Fahmy L
1979 Vet Med J Giza 25 (25) 1977 193-197 Issued Jan 14 Wa
filariasis, large animals, diagnosis, evaluation of intradermal test using Dirofilaria immitis as antigen

Immunity, Cross-reactions
Khan MA
1981 Canad Vet J 22 (2) Feb 36-41 Wa
Hypoderma spp., cattle, rabbits, and guinea pigs (all exper.), diagnosis, intradermal test using H. lineatum larval antigen, cross-reaction against H. bovis infection

Immunity, Cross-reactions
Kilejian A
1980 J Exper Med 151 (6) June 1 1534-1538 Wa
homology between histidine-rich protein from Plasmodium lophurae and protein associated with knob-like protrusions on membranes of P. falciparum-infected erythrocytes, possible immunological cross-reactivity between these two proteins

Immunity, Cross-reactions
Kohanteb J; Ardehali S; Rezai HR
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 582-584 Wa
Leishmania spp. promastigotes, antigenic relationships determined using electroimmunodiffusion and crossed electroimmunodiffusion tests

Immunity, Cross-reactions
Labastie MC et al
1981 Biochem and Biophys Research Commun 99 (2) Mar 31 729-736 Wa
Trypanosoma equiperdum, variant specific glycoproteins, cross reacting determinants and chemical studies

Immunity, Cross-reactions
Le Bras J et al
1980 Ann Soc Belge Med Trop 60 (2) June 163-171 Wa
Dracunculus medinensis, infected human serum, specific antibody pattern without cross reaction with other parasitic infections, study used several immunodiagnostic tests

Immunity, Cross-reactions
Lloyd S
1981 Parasitology 83 (1) Aug 225-242 Wa
progress in immunization against parasitic helminths (immunization with irradiation-attenuated helminths, with helminth extracts, and with in vitro-produced metabolites, isolation and characterization of functional antigens, non-specific immunization, heterologous immunization, oral immunization)

Immunity, Cross-reactions
Lopez-Brea M
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 283-284 Wa
kala-azar, human, 3 cases, diagnosis and serological follow-up using Crithidia sp. as antigen in immunofluorescence test

Immunity, Cross-reactions
Mackenzie PKI; Lawrence JA
1979 Rhodesian Vet J 10 (3) Sept 64-66 Wa
Theileria lawrencei, cattle, indirect fluorescent antibody test using T. parva schizont antigen; successful transmission of T. lawrencei by Rhipicephalus appendiculatus

Immunity, Cross-reactions
McLaren ML et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 72-79 Wa
Schistosoma mansoni, human, serodiagnosis, enzyme-linked immunosorbent assay, enhanced sensitivity and specificity using fraction containing S. mansoni egg antigens $\omega^1$ and $\alpha^1$ (specificity of 100% with respect to non-schistosome infections and cases of avian cercarial dermatitis, 70% and 94% specificity with respect to S. japonicum and S. haematobium infections respectively)

Immunity, Cross-reactions
McMahon Pratt D; David JR
1981 Nature London (5816) 291 June 18-24 581-583 Wa
Leishmania braziliensis, L. mexicana, production of monoclonal antibodies specific for these 2 species, assayed for cross-reactivity with Leishmania spp. and Trypanosoma cruzi, should be useful in taxonomic identification of different species of New World leishmaniae as well as for direct diagnosis of leishmaniasis

Immunity, Cross-reactions
Malek EA
1981 Ztschr Parasitenk 65 (2) 137-142 Wa
Heterobilharzia americana, mice (exper.), challenge with Schistosoma mansoni at different time intervals, S. mansoni worm recovery rates and number of eggs deposited in host tissue, concluded that a patent infection with H. americana is necessary to confer immunity against challenge infection with S. mansoni

Immunity, Cross-reactions
Michael SA; El Refaii AHH; Morsy TA
1979 J Egypt Soc Parasitol 9 (2) Dec 299-304 Wa
Sarcocystis zoites antigen, preparation for slide agglutination test, no cross reaction with Toxoplasma

Immunity, Cross-reactions
Miller LH et al
1980 J Exper Med 151 (4) Apr 1 790-798 Wa
determinants on surface proteins of Plasmodium knowlesi merozoites common to P. falciparum schizonts

Immunity, Cross-reactions
Mitchell GBB; Armour J
1981 Research Vet Sc 30 (3) May 343-348 Wa
Fasciola hepatica, sheep, effect of prior nematode and cestode infection on course of infection, investigation of cross-immunizing properties of these parasites per se and modification of any protective effect conferred by immunomodulatory compound levamisole

Immunity, Cross-reactions
Molineaux L et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 725-737 Wa
malaria, human, analysis of prevalence, incidence, and parasite density by season and age with respect to relationships among 3 Plasmodium spp. present, possible (immunological) explanations for observed excess of double infections of P. falciparum and P. malariae and of seasonal alternation between these 2 species: Garki District, Kano State, Nigeria

Immunity, Cross-reactions
Mosca W et al
1979 Acta Cien Venezolana 30 (4) 401-404 Wa
Chagasic patients without evidence of cardiomyopathy, lymphocyte blastogenesis when challenged with Trypanosoma cruzi, Leishmania brasiliensis and BCG antigens, no significant cross-reactivity nor immunosuppression demonstrated

Immunity, Cross-reactions
Murphy JR
1980 Infect and Immun 27 (1) Jan 68-74 Wa
Plasmodium yoelii, mice, immunological characteristics of protracted state of immunity; little evidence of heterologous immunity to P. berghei

Immunity, Cross-reactions
Mutinga MJ; Ngoka JM
1981 Insect Sc and Its Applic 1 (2) 207-210 Wa
Phlebotomus spp., bloodmeal analysis, examination for promastigotes, incidence of leishmania parasites in lizards, incidence of human kala-azar, possible role of vectors of lizard leishmaniasis in partial immunization of human population against L. donovani in kala-azar endemic areas: Kenya

Immunity, Cross-reactions
Ngu JL et al
1981 Tropenmed u Parasitol 32 (3) Sept 165-170 Wa
Onchocerca volvulus, human, diagnostic skin test, excretory/secretory products of microfilariae from nodules used as antigen, low incidence of positive reactions in patients with Loa loa or Ascaris, same subjects skin tested with Ascaris lumbricoides somatic antigen also

Immunity, Cross-reactions
Niederkorn JY; Shadduck JA; Weidner E
1980 J Parasitol 66 (4) Aug 675-677 Wa
Microsporida spp., antigenic cross-reactivity among spores as determined by immunofluorescence

Immunity, Cross-reactions
Nilsson LA et al
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 201-204 Wa
Schistosoma mansoni, human, serodiagnosis by thin layer immunoassay (TIA), comparison with passive haemagglutination and immunoprecipitation, cross-testing of sera of patients with different parasitic diseases using TIA plates coated with extracts from the relevant parasites

Immunity, Cross-reactions
Norton CC; Joyner LP
1980 Parasitology 81 (2) Oct 315-323 Wa
Eimeria mivati (including isolate thought at first to be E. mitis), E. acervulina, differentiation on basis of cross-immunity studies and pathogenicity (changes in body weight and oocyst output, distribution in intestine, density of parasites, analysis of villus height and mucosal thickness)

Immunity, Cross-reactions
Polderman AM; de Vries H; van de Water TPM
1980 Acta Leidensia 48 37-42 Wa
toxocariasis, human, serological diagnosis, unsuccessful attempts to increase specificity of ELISA by using fractions of larval Toxocara canis antigens, immunofluorescence on cuticle of intact larvae shown to be specific but not very sensitive test

Immunity, Cross-reactions
Powell C; Mathaba LT
1978 Med J Zambia 12 (3) June-July 67-69 Wm
T[rypanosoma] rhodesiense, sheep inoculated with homogenate vs. sheep inoculated with 'fraction 3', IgG and IgM antibody response, degree of immunoprotection against challenge with T[rypanosoma] vivax

Immunity, Cross-reactions
Rao YVBG et al
1980 Indian J Med Research 72 July 47-52 Wa
Wuchereria bancrofti, Litomosoides carinii, demonstration of shared antigens, countercurrent immunoelectrophoresis and indirect haemagglutination tests, agglutinating of L. carinii microfilariae by sera from filarial patients due to IgM antibodies

Immunity, Cross-reactions
Repka D et al
1980 Tropenmed u Parasitol 31 (2) June 239-246 Wa
Trypanosoma cruzi, surface antigenic determinant of epimastigote forms common to trypomastigote and amastigote forms of different strains

Immunity, Cross-reactions
Rezai HR et al
1980 Acta Trop 37 (1) Mar 21-29 Wa
Toxoplasma gondii, mice, immunity induced by homologous and heterologous organisms

Immunity, Cross reactions
Ribeiro RD et al
1980 Rev Brasil Biol 40 (1) Feb 51-58 Wa
Trypanosoma cruzi, 3 strains isolated from Callithrix jacchus were pathogenic for white mice, experimental infection of T[riatoma] infestans, T. vitriceps, and R[hodnius] neglectus, role of C. jacchus as wild reservoir; blood trypomastigotes of monkey strain not inactivated by normal human serum and cross immunity tests showed that mice recovered from infections with monkey strains had high resistance against re-infection by Y strain of T. cruzi: Estado de Bahia, Brasil

Immunity, Cross-reactions
Rickard MD; Arundel JH; Adolph AJ
1981 Research Vet Sc 30 (1) Jan 104-108 Wa
Taenia saginata, cattle, immunization, preliminary field trial using antigens collected during in vitro cultivation of T. saginata or T. hydatigena oncospheres

Immunity, Cross-reactions
Rickard MD; Brumley JL
1981 Research Vet Sc 30 (1) Jan 99-103 Wa
Taenia saginata, calves, immunization using antigens collected by in vitro incubation of T. saginata oncospheres or ultrasonic disintegration of T. saginata and T. hydatigena oncospheres

Immunity, Cross-reactions
Rifaat MA et al
1975 Ain Shams Med J 26 (2) Mar 173-179 Wm
Schistosoma haematobium, human, immunodiagnosis, skin testing using Fasciola gigantica antigens isolated by salting out and by DEAE-cellulose column chromatography

Immunity, Cross-reactions
Rodriguez Osorio M; Gomez Garcia V; Campos Bueno M
1977 Rev Iber Parasitol 37 (1-2) Jan-June 81-85 Wa
Trichinella spiralis antigen of cuticular origin exhibits some cross reaction with Salmonella typhi and S. paratyphi when used in the indirect fluorescent antibody test

Immunity, Cross-reactions
Roffi J et al
1980 Am J Trop Med and Hyg 29 (2) Mar 183-189 Wa
Leishmania tropica major, human, cutaneous leishmaniasis, diagnosis, enzyme-linked immunosorbent assay using homologous antigen, equally useful in diagnosing visceral (L. donovani infantum) and mucocutaneous (L. braziliensis and L. t. major) forms, cross reactions with sera from patients with Trypanosoma brucei gambiense, leprosy, and tuberculosis

Immunity, Cross-reactions
Rothwell TLW
1981 J Parasitol 67 (4) Aug 592-593 Wa
Trichostrongylus colubriformis, lack of cross-protection in guinea pigs vaccinated with other Trichostrongylus spp. or other nematode genera, protection stimulated only by injection of antigens from homologous species

Immunity, Cross-reactions
Rotmans JP; Mooij GW
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 463-468 Wa
Schistosoma mansoni, separation of adult worm antigen fractions, use in defined antigen substrate spheres system and enzyme-linked immunosorbent assay with serum from schistosomiasis patients, cross-reactivity with serum from patients with other helminth infections

Immunity, Cross-reactions
Salfelder A; Mannweiler E
1981 Tropenmed u Parasitol 32 (3) Sept 194-196 Wa
mucocutaneous leishmaniasis, malaria, Chagas' disease, amebiasis, patient sera examined with 5 antigens (Leishmania donovani, Trypanosoma cruzi, Plasmodium fieldi, P. falciparum, Entamoeba histolytica) in indirect fluorescent antibody test, complement fixation test, indirect hemagglutination test, and latex agglutination test: Venezuela

Immunity, Cross-reactions
Santos-Buch CA et al
1979 6 Internat Convoc Immunol 262-267 Wm; Wa
Chagas' disease, immunopathology, review: autoantibody reactions, T lymphocyte cytotoxicity induced by infection, cross-reacting immunogens of target organs and Trypanosoma cruzi

Immunity, Cross-reactions
Schantz PM; Shanks D; Wilson M
1980 Am J Trop Med and Hyg 29 (4) July 609-612 Wa
Echinococcus granulosus, Taenia solium, confirmed human cases, indirect hemagglutination tests using both homologous and heterologous antigens, cross-reactions with most sera; immunoelectrophoresis or double diffusion tests with E. granulosus antigens, Echinococcus-specific ar$^{c}$ 5 demonstrated in 11 of 21 hydatidosis sera and in 1 of 20 cysticercosis sera

Immunity, Cross-reactions
Schiller EL; D'Antonio R; Figueroa Marroquin H
1980 Am J Trop Med and Hyg 29 (6) Nov 1215-1219 Wa
Onchocerca volvulus, human, diagnosis, intradermal reactivity of excretory and secretory products of O. volvulus and O. gutturosa microfilariae, some cross-reactivity in humans and dogs with other filarial infections but not in dogs with Dirofilaria immitis

Immunity, Cross-reactions
Sharma P; Prasad BNK; Dutta GP
1978 Indian J Med Research 68 Sept 423-427 Wa
Entamoeba histolytica, human, diagnosis, presence of other intestinal parasites does not appreciably influence outcome of indirect hemagglutination test for amoebic coproantibodies when standard axenic E. histolytica antigen is used

Immunity, Cross-reactions
Shirley MW; Hoyle SR
1981 J Parasitol 67 (4) Aug 587-588 Wa
Eimeria maxima, chickens, antigenicity of parasite populations obtained from commercial farms, cross-immunity tests, results suggest that E. maxima does not normally undergo major changes in its antigenic composition and that a coccidiosis vaccine consisting of suitable number of strains could prove effective in individual houses over long period of time

Immunity, Cross-reactions
Shirley MW; Rollinson D
1979 Symposia Brit Soc Parasitol 17 7-30 Wa
Eimeria spp., recognition and characterization of populations, review: established approaches (morphology, site and host specificity, pathogenicity, immunological specificity), new approaches (enzyme electrophoresis, genetic studies, DNA buoyant density analyses)

Immunity, Cross-reactions
Singh M et al
1980 Am J Trop Med and Hyg 29 (4) July 548-552 Wa
Wuchereria bancrofti, Brugia malayi, human, immunodiagnosis, indirect hemagglutination technique using Breinlia booliati as antigen: Peninsular Malaysia

Immunity, Cross-reactions
Sirag SB et al
1980 Parasitology 80 (3) June 479-486 Wa
Echinostoma revolutum, homologous and heterologous (Schistosoma spp.) resistance in infections in mice

Immunity, Cross-reactions
Sirag SB et al
1981 J Helminth 55 (1) Mar 63-70 Wa
Schistosoma bovis, calves harboring primary patent infections demonstrate substantial resistance to heterologous challenge with Fasciola hepatica

Immunity, Cross-reactions
Smith RD et al
1980 Am J Vet Research 41 (12) Dec 1957-1965 Wa
Babesia bovis, B. bigemina, cattle, tick-borne exposure, clinical and pathologic responses, absence of significant heterologous species immunity, cross-reactivity in indirect fluorescent antibody test was restricted to period during and shortly after recovery

Immunity, Cross-reactions
Smith RD et al
1981 Science (4492) 212 Apr 17 335-338 Wa
Babesia bovis, protection of Bos taurus with culture-derived soluble antigen, evidence that soluble immunogen is merozoite surface coat antigen; B. bigemina-immune cattle are susceptible to B. bovis

Immunity, Cross-reactions
de Souza MCM; Mizuta K; Ikemoto H
1980 Rev Inst Med Trop S Paulo 22 (4) July-Aug 184-191 Wm
Herpetomonas samuelpessoai, extraction, purification, and characterization of exoantigen capable of immunizing mice challenged with Trypanosoma cruzi

Immunity, Cross-reactions
Speiser F
1980 Tropenmed u Parasitol 31 (4) Dec 459-466 Wa
filariasis, echinococcosis, human, serodiagnosis, enzyme-linked immunosorbent assay using Echinococcus granulosus hydatid fluid and Dipetalonema viteae as antigens, comparison with indirect fluorescent antibody test, indirect haemagglutination test, and counterimmunoelectrophoresis, ELISA was most sensitive but least specific method

Immunity, Cross-reactions
Spencer HC et al
1981 Am J Trop Med and Hyg 30 (2) Mar 358-363 Wa
Brugia malayi- and B. pahangi-infected Meriones unguiculatus, antibody response to heterologous and homologous antigens as measured by enzyme-linked immunosorbent assay, effect of fractionation of B. malayi antigen on sensitivity and specificity of test

Immunity, Cross-reactions
Stein PC; Basch PF
[1980] J Parasitol 65 (6) Dec 1979 862-869 Issued Apr 2 Wa
Biomphalaria glabrata embryo cell-line antigens ineffective as antischistosomal vaccine in mice

Immunity, Cross-reactions
Stockdale PHG et al
1979 Canad J Zool 57 (1) Jan 264-270 Wa
Eimeria contorta (from original culture) passaged through mice and rats provided cross-immunity to E. nieschulzi (rats) and E. falciformis (mice), E. contorta probably not a valid species

Immunity, Cross-reactions
Su KE
1980 Bull Inst Zool Acad Sinica 19 (2) July 41-55 Wa
Trichomonas vaginalis, 5 strains, antigenic composition and relationships analyzed by immunoelectrophoresis

Immunity, Cross-reactions
Tadros W; Hazelhoff W; Laarman JJ
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 125-126 Wm
toxoplasmic and sarcocystic tissue stage antigens, absence of cross reaction in enzyme-linked immunosorbent assay technique

Immunity, Cross-reactions
Taylor DW et al
1981 Infect and Immun 32 (2) May 563-570 Wa
Plasmodium yoelii, monoclonal antibodies to stage-specific, species-specific, and cross-reactive (with Plasmodium spp. and Babesia microti, but not Toxoplasma gondii) antigens, specificity and location of plasmodial antigens determined by indirect fluorescent antibody analysis

Immunity, Cross-reactions
Terrientes ZI; Zeledon R
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 213-218 Wm
Leishmania hertigi live vaccine with complete Freunds adjuvant vs. L. hertigi extract with incomplete adjuvant, hamsters, challenge with L. mexicana or L. braziliensis; immunodiffusion or immunoelectrophoresis showed at least one common band between L. hertigi and the two human parasites

Immunity, Cross-reactions
Tsang VCW; Tao Y; Maddison SE
1981 J Parasitol 67 (3) June 340-350 Wa
Schistosoma mansoni, urea-soluble egg antigens, systematic fractionation, evaluation of activities and cross-reactivities by single-tube kinetic-dependent enzyme-linked immunosorbent assay

Immunity, Cross-reactions
Turner KJ; Fisher EH; McWilliam AS
1980 Austral J Exper Biol and Med Sc 58 (3) June 249-257 Wa
Ascaris lumbricoides, A. suum, Necator americanus, homology between antigens detected by human IgE antibodies, radioallergosorbent test (RAST), inhibition of RAST, and isoelectric focusing on polyacrylamide gels

Immunity, Cross-reactions
Uilenberg G et al
1980 Vet Quart 2 (1) Jan 3-14 Wa
Babesia motasi (Netherlands), sheep (blood) (nat. and exper.), comparison with other Babesia of sheep, morphological and serological comparison with B. motasi (Turkey), pathogenicity in splenectomized sheep and effective treatment with diminazene and amicarbalide, cross-immunity tests with B. motasi (Turkey), tick transmission studies indicate Haemaphysalis punctata is a vector: Ameland and Texel, the Netherlands

Immunity, Cross-reactions
Weiss N; Speiser F; Hussain R
1981 Acta Trop 38 (3) Sept 353-362 Wa
Onchocerca volvulus, human, detection of IgE antibodies with radioallergosorbent test using O. volvulus vs. Dipetalonema viteae as antigen, comparison with enzyme linked immunosorbent assay detecting IgG and IgM antibodies against same antigen preparations

Immunity, Cross-reactions
Welch JS; Dobson C; Campbell GR
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 614-623 Wa
Angiostrongylus cantonensis, prevalence in rats in Queensland; immunodiagnosis, 3 immunofluorescence tests and in vitro lymphocyte blastogenesis, specificity and sensitivity in immunized rabbits and naturally infected rats, levels of responsiveness in 4 Australian populations in relation to prevalence in rats, use in clinical diagnosis in 5 human cases of eosinophilic meningitis

Immunity, Cross-reactions
Wery M; Timperman G
1979 Ann Soc Belge Med Trop 59 (4) Dec 361-369 Wa
Plasmodium berghei cloned and uncloned lines, antigenic characterization of 4 recrudescences of parasitaemia using cross protection experiments in immunized mice, homologous challenges induced lower parasitaemia than did heterologous, antigenic variation may be responsible for intergroup differences which were higher than those between individual mice

Immunity, Cross-reactions
Wilson AJ; Parker R; Trueman KF
1980 Vet Parasitol 7 (4) Dec 305-311 Wa
Anaplasma marginale, immunization of Bos indicus cross calves using living A. centrale or A. marginale

Immunity, Cross-reactions
Wynne E; Slocombe JOD; Wilkie BN
1981 Canad J Comp Med 45 (3) July 259-265 Wa
Strongylus vulgaris larvae and adults, antigenic analyses of tissues and excretory and secretory products, some antigens in common with S. equinus

Immunity, Cross-reactions
Zapart W; Podlaski S; Deja M
1980 Ang Parasitol 21 (1) Feb 10-15 Wa
helminths, persons associated with mining, school-children, and non-miners, intradermal tests compared with coprological examinations, cross-reactions: Poland

Immunity, Cutaneous reactions See Immunity, Skin tests

Immunity, Diagnosis [See also Immunity, Agglutination; Immunity, Complement fixation; Immunity, Enzyme labelling; Immunity, Immobilization; Immunity, Macrophage migration test; Immunity, Precipitation; Immunity, Radioimmunoassay; Immunity, Skin tests; Immunofluorescence; Lymphocyte transformation]

Immunity, Diagnosis
Abdalla RE
1980 Ann Trop Med and Parasitol 74 (4) Aug 415-419 Wa
visceral leishmaniasis, human, serodiagnosis, immunofluorescence, immunodiffusion, counter-immunoelectrophoresis

Immunity, Diagnosis
Abrego A et al
1981 Nouv Presse Med 10 (4) Jan 31 258 Wm
human schistosomiasis, basophil degranulation test using Schistosoma mansoni as antigen for diagnosis

Immunity, Diagnosis
Adorisio E; Medori MG; Zardi O
1980 Biochem and Exper Biol 16 (3) 315-316 Wa
toxoplasmosis, human, diagnosis, enzyme-linked immunosorbent assay

Immunity, Diagnosis
Aikat BK et al
1979 Indian J Med Research 70 Oct 592-597 Wa
kala-azar, diagnosis in human subjects sampled from endemic area, counter immunoelectrophoresis, distinct relationship between test positivity, splenic size, and duration of illness, comparison with other serological tests: Bihar

Immunity, Diagnosis
Al-Alousi TI; Latif BMA; Al-Shenawi FA
1980 Ann Trop Med and Parasitol 74 (5) Oct 503-506 Wa
leishmaniasis, children, diagnosis, indirect fluorescent antibody test using dried blood on filter paper, incidence in different provinces, age groups, and sexes: Iraq

Immunity, Diagnosis
Alam SM et al
1981 J Ass Physicians India 29 (1) Jan 19-24 Wm
Entamoeba histolytica, human intestinal and extraintestinal invasive infection, diagnosis, indirect haemagglutination test vs. intradermal test

Immunity, Diagnosis
de Almeida JWR; Camargo ME; Amato Neto V
1980 Rev Inst Med Trop S Paulo 22 (2) Mar-Apr 78-81 Wm
Trypanosoma cruzi, non-treated patients with chronic Chagas infection, variations in serum titers obtained with complement fixation test make this test unacceptable as an evaluation index for therapeutics

Immunity, Diagnosis
Alper EI; Littler C; Monroe LS
1976 Am J Gastroenterol 65 (1) Jan 63-67 Wm
E[ntamoeba] histolytica, humans, diagnosis, counterelectrophoresis using axenic antigen gives results in close agreement with agar gel diffusion precipitin and latex agglutination

Immunity, Diagnosis
Ambroise-Thomas P et al
1980 Ann Biol Clin 38 (5) 315-319 Wm
toxoplasmosis, rheumatoid factors a cause of non-specific results in IgM antitoxoplasma fluorescent tests

Immunity, Diagnosis
Ambroise-Thomas P; Daveau C
1981 Ann Soc Belge Med Trop 61 (2) June 311-318 Wa
Onchocerca volvulus and other human filariasis, current immunological findings, emphasis on ELISA test in diagnosis of onchocerciasis, review, colloquium presentation

Immunity, Diagnosis
Ambroise-Thomas P; Desgeorges PT
1980 Bull Soc Path Exot 73 (1) Jan-Feb 89-99 Wa
Echinococcus granulosus, human, diagnostic value and limitations of micro-ELISA, test results compared with those using indirect agglutination and immunofluorescence

Immunity, Diagnosis
Ambroise-Thomas P; Desgeorges PT; Bouttaz M
1980 Ann Soc Belge Med Trop 60 (1) Mar 47-60 Wa
fascioliasis, human and bovine, diagnosis by means of the enzyme-linked immunosorbent assay, detection of circulating antigens and antibodies, results compared favorably with those of the immunofluorescence and indirect haemagglutination tests

Immunity, Diagnosis
Amerault TE et al
1980 Am J Vet Research 41 (3) Mar 435-438 Wa
Anaplasma marginale, cattle, effect of phenol on card-agglutination and micro-complement-fixation tests

Immunity, Diagnosis
Amerault TE; Rose JE: Kuttler KL
1981 Am J Vet Research 42 (6) June 1055-1056 Wa
Anaplasma marginale, cows, comparative titration of antibodies by card agglutination and complement-fixation tests

Immunity, Diagnosis
Amici C et al
1979 Ann Sclavo 21 (3) May-June 264-271 Wm
Toxoplasma, retrospective seroimmunological survey of 3,455 women, role of antibody occurrence in raw meat eaters was statistically verified, Toxoplasma infection may prove to be significant etiological factor for abortion

Immunity, Diagnosis
Anderson JF; Magnarelli LA; Sulzer AJ
1980 Am J Vet Research 41 (12) Dec 2102-2105 Wa
Babesia gibsoni, dogs (nat. and exper.), diagnosis, indirect fluorescent antibody test, reciprocal titers of anti-B. gibsoni sera to homologous and heterologous Babesia antigens and to Plasmodium antigens

Immunity, Diagnosis
Anderson JF; Magnarelli LA; Sulzer AJ
1981 J Parasitol 67 (3) 417-425 Wa
Babesia lotori sp.n. in Procyon lotor (erythrocytes) (nat. and exper.), parasitemia postsplenectomy, clinical data, indirect fluorescent antibody test, evidence for early infection in 3 young raccoons which had been naturally confined to nests in chimneys and were infested with Ixodes texanus; Dermacentor variabilis, I. dammini, and I. cookei also found on raccoons: Connecticut, USA

Immunity, Diagnosis
Anthony RL; Christensen HA; Johnson CM
1980 Am J Trop Med and Hyg 29 (2) Mar 190-194 Wa
New World leishmaniasis, human, serodiagnosis, micro enzyme-linked immunosorbent assay with Leishmania braziliensis panamensis promastigote antigens, comparison with indirect immunofluorescence, unidirectional cross-reactivity with sera from Chagas' disease patients

Immunity, Diagnosis
Applewhaite LM; Craig TM; Wagner GG
1981 Trop Animal Health and Prod 13 (1) Feb 13-18 Wa
Babesia bigemina, B. bovis, native and imported cattle, serological prevalence, comparison of indirect fluorescent antibody and complement fixation tests, effect of host age: Guyana

Immunity, Diagnosis
Apt W et al
1978 Rev Med Chile 106 (1) Jan 16-18 Wm
Trypanosoma cruzi, humans, serological survey, direct agglutination reaction (DAR) compared with indirect agglutination, DAR considered excellent screening test for epidemiological surveys: Chile

Immunity, Diagnosis
Apt W; Perez C; Sandoval J
1980 Rev Med Chile 108 (2) Feb 112-114 Wm
T[rypanosoma] cruzi, humans, prevalence of Chagasic infection of blood bank samples analyzed using the indirect hemagglutination test: Chile

Immunity, Diagnosis
Araujo FG; Handman E; Remington JS
1980 Infect and Immun 30 (1) Oct 12-16 Wa
Toxoplasma gondii, monoclonal antibodies can be used in enzyme-linked immunosorbent assay to detect parasite antigens in serum and other body fluids but polyvalent antibody appears to be more satisfactory for this purpose

Immunity, Diagnosis
Araujo FG; Remington JS
1980 J Infect Dis 141 (2) Feb 144-150 Wa
Toxoplasma gondii, antigenemia in patients with recently acquired acute toxoplasmosis, detection by enzyme-linked immunosorbent assay

Immunity, Diagnosis
Aspoeck H
1980 Med Lab 33 (9) Sept 240-248 Wm
Toxoplasma, humans, diagnosis, immunological test comparisons (immunofluorescence, Sabin-Feldman dye test, complement fixation, indirect hemagglutination test)

Immunity, Diagnosis
Auffray Baudet P; Sanchez Concheiro M; Dominguez Perez JR
1980 Rev Clin Espan 158 (5) Sept 15 197-201 Wm
Echinococcus granulosus, humans, diagnosis, fluorescent antibody technique, sensitive and simple test

Immunity, Diagnosis
Avraham H et al
1980 J Immunol Methods 32 (2) Jan 28 151-155 Wm
Plasmodium berghei, solid-phase antibody binding-inhibition test for assay of malarial antigen and antimalarial antibodies using radioiodinated protein A

Immunity, Diagnosis
Avraham H et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 421-425
Wa
Plasmodium falciparum, assay of antigens and antibodies by means of solid phase radioimmunoassay with radioiodinated staphylococcal protein A

Immunity, Diagnosis
Bahr G; Modabber FZ
1980 J Immunol Methods 38 (3-4) 205-216 Wm
simplified immunoenzyme antigen binding technique as approach for immunodiagnosis, used to detect immune response of rabbits injected with human hydatid fluid

Immunity, Diagnosis
Baldelli B et al
1978 Parassitologia 20 (1-3) Dec 91-99 Wa
Leishmania donovani, human, diagnosis, enzyme-linked immunosorbent assay

Immunity, Diagnosis
Balfour AH; Bridges JB; Harford JP
1980 J Clin Path 33 (7) July 644-647 Wa
Toxoplasma gondii, evaluation of ToxHA test for detection of antibodies in human serum, comparison with dye test

Immunity, Diagnosis
Balsari A et al
1980 J Clin Path 33 (7) July 640-643 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for antibody detection, comparison with other serodiagnostic tests

Immunity, Diagnosis
Ben-Ismail R et al
1980 Am J Trop Med and Hyg 29 (2) Mar 239-245
Wa
Echinococcus granulosus, Fasciola hepatica, Pl antigen sharing may be responsible for hydatid indirect hemagglutination test cross-reactivity in Pl-negative individuals

Immunity, Diagnosis
Bennett BD; Bailey J; Gardner WA jr
1980 Arch Path and Lab Med 104 (5) May 247-249
Wa
Trichomonas vaginalis, diagnosis in smears and in paraffin-embedded tissue sections using modified immunoperoxidase techniques

Immunity, Diagnosis
Bhatia VN; Singh DS
1979 J Ass Physicians India 27 (11) Nov 1035-1037 Wm
amoebiasis, human invasive form, rapid serodiagnosis using bentonite flocculation test

Immunity, Diagnosis
Bidwell DE; Voller A
1981 Brit Med J (6278) 282 May 30 1747-1748 Wa
Plasmodium falciparum, diagnosis, enzyme-linked immunosorbent assays tested in infected and uninfected monkeys, method useful but less sensitive than conventional blood-film examination

Immunity, Diagnosis
Bilqees FM; Khan A
1979 J Egypt Pub Health Ass 54 (5-6) 425-430 Wm
Entamoeba histolytica, patients with confirmed intestinal amoebiasis, cyst passers, and normal persons, diagnosis, evaluation of a skin test, useful in all instances as well as for epidemiological surveys

Immunity, Diagnosis
Blumencranz HJ; Sheehan DJ; LeLeiko NS
1981 N England J Med 305 (11) Sept 10 647 Wa
Entamoeba histolytica, human, false-positive reactions in counterimmunoelectrophoresis test

Immunity, Diagnosis
Boczon K et al
1981 Tropenmed u Parasitol 32 (2) June 109-114
Wa
Trichinella spiralis, human, diagnosis, evaluation of enzymatic and immunological tests (activity of LDH and its isozymic fractions; indirect immunofluorescence test; latex agglutination test; bentonite flocculation test)

Immunity, Diagnosis
Bottone U; Orlandi M
[1980] Riv Parassitol Roma 40 (1-2) 1979 171-175 Issued Feb Wa
Toxocara canis, Ascaris suum, rabbits (exper.), diagnosis, peritoneal cell adherence reaction test, cross-reactions observed

Immunity, Diagnosis
Broadbent EJ; Ross R; Hurley R
1981 J Clin Path 34 (6) June 659-664 Wa
Toxoplasma gondii, prevalence of antibody in pregnant women evaluated by age groups, dietary habits, and history of animal contact; indirect haemagglutination antibody test vs. indirect fluorescent antibody test

Immunity, Diagnosis
Cabrera MA; Suazo AT
1980 Bol Med Hosp Inf Mexico 37 (2) Mar-Apr
195-201 Wm
Toxocara canis, Ascaris, children, diagnosis of visceral larva migrans, immunological tests compared with other methods

Immunity, Diagnosis
Cailliez M et al
1979 Nouv Presse Med 8 (7) Feb 10 522-523 Wm
human African trypanosomiasis, immunoenzymological diagnostic tests vs. indirect immunofluorescence

Immunity, Diagnosis
Calderon C; Knierim F
1973 Rev Med Chile 101 (6) June 468-469 Wm
Trichinella spiralis, humans, diagnosis, bentonite flocculation reaction with whole blood samples collected on filter paper

Immunity, Diagnosis
Callow LL et al
1979 Austral Vet J 55 (12) Dec 555-559 Wa
Babesia equi, horses, evaluation of indirect fluorescent antibody test, diagnosis; cross-reactivity between B. equi and B. bovis of cattle suggested that B. bovis would not interfere with test for B. equi, but that reverse was possible

Immunity, Diagnosis
Carlier Y et al
1980 Bull World Health Organ 58 (1) 99-105 Wa
Toxoplasma gondii, humans, diagnosis, evaluation of the enzyme-linked immunosorbent assay and other serological tests, techniques and sera evaluated in 3 different laboratories

Immunity, Diagnosis
Carlier Y; Bout D; Capron A
1979 J Immunol Methods 31 (3-4) Dec 27 237-246
Wm
automation of enzyme-linked immunosorbent assay, application to toxoplasmosis serodiagnosis

Immunity, Diagnosis
Carme B et al
1980 Ann Soc Belge Med Trop 60 (3) Sept 271-276 Wa
filariasis, humans, diagnosis, basophil degranulation test using Onchocerca volvulus extracts as antigen, test appears specific, possible use where classical methods are not successful

Immunity, Diagnosis
Carosi G et al
1980 Boll Ist Sieroterap Milanese 59 (1) Mar 31 25-30 Wa
Toxoplasma gondii, immuno-electron microscopic localization of antigenic sites for specific IgG and IgM on parasite surface, possible practical application

Immunity, Diagnosis
Carroll SM; Karthigasu KT; Grove DI
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 706-709 Wa
Strongyloides stercoralis, human, serodiagnosis, enzyme-linked immunosorbent assay with S. ratti antigen, comparison with indirect immunofluorescent assay

Immunity, Diagnosis
Caruana LB
1980 Am J Med Tech 46 (6) June 386-391 Wa
Toxoplasma gondii, indirect hemagglutination test (IHA) compared qualitatively and quantitatively to indirect fluorescent antibody test (IFA) for detection of antibodies, IHA technique recommended over IFA for mass screening

Immunity, Diagnosis
Cerisola JA; Alvarez M; Wynne de Martini GJ
1980 Medicina Buenos Aires 40 Suppl (1) 132-136 Wm
Chagas disease, humans, diagnosis, latex agglutination test

Immunity, Diagnosis
Chabasse D et al
1980 Bull Soc Path Exot 73 (2) Mar-Apr 150-155 Wa
positive immunofluorescence test for amoebiasis in man with serologically and clinically proven brucellosis, possibly a false-positive reaction as no clinical evidence of amoebiasis could be found

Immunity, Diagnosis
Chandanani RE et al
1981 Indian J Med Research 73 Suppl Jan 41-44 Wa
Plasmodium knowlesi antigen evaluated for serodiagnosis of human malarias with indirect haemagglutination test, more sensitive tests will be needed with this antigen

Immunity, Diagnosis
Chandanani RE; Mahanta J; Mahajan RC
1978 Indian J Med Research 68 Oct 595-598 Wa
hydatid disease, humans, diagnosis, evaluation of slide haemagglutination test vs. indirect haemagglutination tube test or Casoni's skin test

Immunity, Diagnosis
Chandra R et al
1978 Indian J Med Research 68 July 61-66 Wa
Wuchereria bancrofti, subjects from endemic vs. non-endemic area, diagnosis by skin test, comparison of Brugia malayi infective larval whole worm antigen vs. homologous W. bancrofti larval antigen, no cross reactions with helminth infections

Immunity, Diagnosis
Chatterjee RK et al
1978 Indian J Med Research 67 Jan 34-41 Wa
Chandlerella hawkingi, antiserum raised in rabbits, precipitating and complement-fixing antibodies, antigenic mosaic, cross reactions with Litomosoides carinii and Wuchereria bancrofti, possibility of using avian filarial antigens in diagnosis of human filariasis

Immunity, Diagnosis
Cheburkin AV; Asatova MM
1981 Pediatriia Moskva (2) Feb 17-19 Wm
toxoplasmosis, surveys show low incidence of human prenatal infections, suggests that diagnostic workups for congenital toxoplasmosis be carried out only after other causes of childhood pathology have been excluded

Immunity, Diagnosis
Cho KM; Soh CT
1974 Yonsei Rep Trop Med 5 (1) Nov 45-55 Wm
Clonorchis sinensis, human sera, diagnosis, evaluation of the indirect fluorescent antibody test using adult worm antigen

Immunity, Diagnosis
Cho KM; Soh CT
1976 Yonsei Rep Trop Med 7 (1) Nov 26-39 Wm
Paragonimus westermani, Clonorchis sinensis, human serum, diagnosis, indirect fluorescent antibody test

Immunity, Diagnosis
Chopra JS; Kaur U; Mahajan RC
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 518-520 Wa
Cysticercus cellulosae (Taenia solium), human, cysticercus haemagglutination test used to estimate probable incidence of seropositivity, almost equal in male and female patients, less in children than adults, did not appear to be related to duration of epilepsy

Immunity, Diagnosis
Colin M et al
1980 Ann Dermat et Venereol 107 (8-9) Aug-Sept 759-767 Wm
Schistosoma mansoni, S. haematobium, humans, cutaneous localization, granulomatous papular lesions containing eggs, diagnosis by lesion biopsy and immunofluorescence: endemic areas of Ivory Coast

Immunity, Diagnosis
Collins WE et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1220-1222 Wa
Onchocerca volvulus, human, indirect fluorescent antibody test using fixed-tissue sections of adult worms as antigen, antibody responses in relation to host age, sex, presence or absence of microfilariae, and microfilarial density, application in epidemiological studies appears limited until level of false negative responses is markedly reduced: Guatemala

Immunity, Diagnosis
Conder GA; Andersen FL; Schantz PM
1980 J Parasitol 66 (4) Aug 577-584 Wa
Echinococcus granulosus, sheep (exper.), immunodiagnosis, evaluation of double diffusion, immunoelectrophoresis, indirect hemagglutination, and intradermal tests, some cross-reactions with serum from Taenia hydatigena-infected sheep

Immunity, Diagnosis
Constantinescu G; Capraru T
1980 Arch Roumaines Path Exper et Microbiol 39 (1) Jan-Mar 41-47 Wa
Trichinella spiralis, diagnosis, micro precipitation test performed on human and animal sera, comparison of frozen, lyophilized, and live antigen

Immunity, Diagnosis
Cox JC; Horsburgh R; Pye D
1981 Lab Animals 15 (1) Jan 41-43 Wa
Encephalitozoon cuniculi, rabbits, serodiagnosis, enzyme immunoassay, comparison with indirect immunofluorescence test

Immunity, Diagnosis
Craig PS et al
1980 Austral J Exper Biol and Med Sc 58 (4) Aug 339-350 Wa
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Taenia saginata cysticercosis in cattle (nat. and exper.), diagnosis, comparative evaluation of immunoelectrophoresis, counterimmunoelectrophoresis, and enzyme linked immunosorbent assay (T. saginata used as antigen for first 2, T. crassiceps for ELISA), also tested against sera of cattle and sheep with other helminth infections, some cross-reactions, none of 3 tests sufficiently reliable to make diagnosis on individual basis, may be useful for diagnosis on herd basis

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Immunity, Diagnosis
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1980 Clin and Exper Immunol 40 (2) May 318-326 Wa
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Cysticercus cellulosae, humans, diagnosis, counter immunoelectrophoresis test recommended for use with sera but not with cerebrospinal fluid

Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Opisthorchis viverrini, immunoelectrophoresis test used to diagnose infection in man and to follow course of humoral immune response in hamsters infected with metacercariae; some cross reactions in humans infected with Mekong schistosomiasis or gnathostomiasis

Immunity, Diagnosis
Janitschke K et al
1981 J Trop Med and Hyg 84 (4) Aug 147-154 Wa
schistosomiasis, humans, diagnosis, evaluation of the ELISA test as an epidemiological tool, comparisons with parasitological findings and other immunodiagnostic tests, test correlations using a Multiscan photometer, recommended for epidemiological surveys

Immunity, Diagnosis
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1980 Casop Lek Cesk 119 (12-13) Mar 369-372 Wm
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Immunity, Diagnosis
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1980 Austral Vet J 56 (3) Mar 116-118 Wa
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Acanthamoeba castellani, 27-year-old man with keratitis, clinico-pathologic case report, organism identified by immunofluorescent staining of material from necrotic cornea of enucleated eye

Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
Khan MA
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Immunity, Diagnosis
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1981 Indian J Exper Biol 19 (6) June 564-565 Wa
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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[Schistosoma] japonica, diagnosis, inhabitants of an endemic area tested using the immediate intradermal reaction, epidemiologic study based on the analysis of these reactions, significance of age, sex, contents of antigen used, variations in sections of survey area, suggested disease control measures and vector control measures: Yamanashi Prefecture, Japan

Immunity, Diagnosis
Labro-Bryskier MT et al
1981 Ann Biol Clin 39 (4) 175-180 Wa
toxoplasmosis, human, diagnosis; effect of presence of rheumatoid factors on results for determination of antitoxoplasm IgM antibodies by immunofluorescence and agglutination techniques

Immunity, Diagnosis
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Immunity, Diagnosis
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1980 Deutsche Med Wchnschr 105 (22) May 30 796-799 Wa
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Immunity, Diagnosis
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Immunity, Diagnosis
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1978 Bull Soc Path Exot 71 (4-5) July-Oct 354-361 Wa
Schistosoma haematobium, S. mansoni, human sera, diagnosis, indirect immunofluorescence using homologous vs. heterologous antigens, combined antigens may be useful for epidemiologic surveys

Immunity, Diagnosis
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Immunity, Diagnosis
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1979 Bull Soc Path Exot 72 (2) Mar-Apr 148-152 Wa
Schistosoma mansoni, serums from central and west African groups vs. West Indians, differences in responses to indirect fluorescent antibody test

Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Theileria spp., cattle, differential diagnosis based on serological, morphological, and epidemiological grounds, review: southern Africa

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Immunity, Diagnosis
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1980 Ann Soc Belge Med Trop 60 (2) June 163-171 Wa
Dracunculus medinensis, infected human serum, specific antibody pattern without cross reaction with other parasitic infections, study used several immunodiagnostic tests

Immunity, Diagnosis
Leggiadro RJ et al
1981 J Infect Dis 144 (5) Nov 484 Wa
Pneumocystis carinii antigen measured by enzyme immunoassay, sensitive system useful for diagnostic purposes and for testing food, water, and soil samples in epidemiologic investigation

Immunity, Diagnosis
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Immunity, Diagnosis
Lewert RM et al
1980 Am J Trop Med and Hyg 29 (3) May 431-434 Wa
Schistosoma japonicum, human, 'atypical' precipitates in circumoval precipitin test are indicative of recently acquired infections: Barrio San Antonio, Basey, Samar, Philippines

Immunity, Diagnosis
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Babesia motasi, sheep exposed to Haemaphysalis punctata collected from coastal grazing area of North Wales, diagnosis in blood smears and by immunofluorescent antibody test

Immunity, Diagnosis
Lewis EA; Salimonu LS; Osunkoya BO
1978 African J Med and Med Sc 7 (4) Dec 197-200 Wm
Necator americanus, immunofluorescence technique developed to detect antibodies to surface antigens of hookworm using 3rd stage larvae as antigen source; specific antibody production of various groups compared (patients with severe anemia, blood donors, medical students, Canadian Caucasians): Nigeria

Immunity, Diagnosis
Leynadier F et al
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hydatidosis, humans, diagnosis, basophil degranulation test, useful and simple

Immunity, Diagnosis
Leynadier F et al
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echinococcosis, humans, degranulation of basophils, diagnostic value

Immunity, Diagnosis
Lin CY; Chen SN
1980 Med J Osaka Univ 31 (1-2) Sept 1-6 Wm
Angiostrongylus cantonensis, humans who had had contacts with Achatina fulica vectors, clinical pathology, mainly presentation as eosinophilic meningitis, immunodiagnosis, first reports in Northern Taiwan

Immunity, Diagnosis
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Immunity, Diagnosis
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Toxoplasma gondii, human, standardized quantitative enzyme-linked immunosorbent assay for detection of antibodies, comparison with dye test, indirect immunofluorescence test, and passive hemagglutination test

Immunity, Diagnosis
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1981 Tr Roy Soc Trop Med and Hyg 75 (3) 365-371 Wa
Schistosoma mansoni, human, diagnosis, comparison of sensitivity and specificity of ELISA, radioimmunoassay, and stool examination (Bell filtration technique, Kato thick smear), host age effects: St. Lucia, West Indies

Immunity, Diagnosis
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1981 Tr Roy Soc Trop Med and Hyg 75 (5) 740-741 Wa
Schistosoma mansoni, human, persistence of seropositivity by ELISA in blood spots on filter paper strips

Immunity, Diagnosis
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kala-azar, human, 3 cases, diagnosis and serological follow-up using Crithidia sp. as antigen in immunofluorescence test

Immunity, Diagnosis
Losos GJ
1980 Vet Research Commun 4 (3) Nov 165-181 Wa
Trypanosoma evansi, review (epidemiology, diagnosis, clinical signs, pathology, immunology, laboratory animal models, chemotherapy)

Immunity, Diagnosis
Lowenthal MN et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 99-103 Wa
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Immunity, Diagnosis
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adherence reaction between Toxocara canis L2 previously sensitized with immune serum and peritoneal macrophages from normal guinea pigs

Immunity, Diagnosis
Lurhuma AZ et al
1978 Ann Soc Belge Med Trop 58 (4) Dec 301-307 Wa
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Immunity, Diagnosis
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Immunity, Diagnosis
Luxenberg MN
1979 Tr Am Ophth Soc 77 542-602 Wm
Toxocara canis, exper. infection in Aotus trivirgatus, clinical manifestations with emphasis on eye infections, various diagnostic tests, evaluation of systemic and intraocular responses with various laboratory and serological tests including the ELISA test, literature review

Immunity, Diagnosis
Lyngset A
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Encephalitozoon cuniculi antibodies in breeding rabbits, India ink immunoreaction test, antibodies passively transmitted to young, age changes in antibody titers, possible prenatal or postnatal infection

Immunity, Diagnosis
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1980 Parasitology 80 (1) Feb 171-182 Wa
Plasmodium berghei, mice, diagnosis, solid-phase radioimmunoassay for detection of malaria antigens

Immunity, Diagnosis
Mackey L; McGregor IA; Lambert PH
1980 Bull World Health Organ 58 (3) 439-444 Wa
Plasmodium falciparum, humans, diagnosis, detection of antigens using a solid-phase radioimmunoassay, highly significant degree of correlation with comparative results of microscopy

Immunity, Diagnosis
McLaren ML et al
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 636-639 Wa
Schistosoma mansoni, humans, serodiagnosis, enzyme linked immunosorbent assay: St. Lucia

Immunity, Diagnosis
McLaren ML et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 72-79 Wa
Schistosoma mansoni, human, serodiagnosis, enzyme-linked immunosorbent assay, enhanced sensitivity and specificity using fraction containing S. mansoni egg antigens $\omega^1$ and $\alpha^1$ (specificity of 100% with respect to non-schistosome infections and cases of avian cercarial dermatitis, 70% and 94% specificity with respect to S. japonicum and S. haematobium infections respectively)

Immunity, Diagnosis
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Leishmania braziliensis, L. mexicana, production of monoclonal antibodies specific for these 2 species, assayed for cross-reactivity with Leishmania spp. and Trypanosoma cruzi, should be useful in taxonomic identification of different species of New World leishmaniae as well as for direct diagnosis of leishmaniasis

Immunity, Diagnosis
Magnus E et al
1978 Ann Soc Belge Med Trop 58 (2) June 103-109 Wa
T[rypanosoma] brucei gambiense, humans, diagnosis, conventional preparation vs. freeze-dried preparation of T. b. brucei antigen in the indirect fluorescent antibody test

Immunity, Diagnosis
Magnus E; Vervoort T; Van Meirvenne N
1978 Ann Soc Belge Med Trop 58 (3) Sept 169-176 Wa
Trypanosoma brucei gambiense, humans, diagnosis, card agglutination test using a suspension of fixed and stained T. b. brucei of defined variable antigen type, method also evaluated against sera of patients free of sleeping sickness and those with various parasitoses

Immunity, Diagnosis
Mahajan RC; Ganguly NK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 300-302 Wa
Entamoeba histolytica, human, liver abscess, immunodiagnosis and prognosis, detection of amebic antigen in liver pus/biopsy specimens and serum by counter-immunoelectrophoresis, correlation between amebic antigen positivity and indirect haemagglutination seropositivity, possible role of amebic antigen in immune complex formation and pathogenesis

Immunity, Diagnosis
Mansueto S et al
1979 Ann Sclavo 21 (1) Jan-Feb 93-99 Wm
Leishmania, human and canine visceral infections, counter-immunoelectrophoresis suggested for field use in diagnosis

Immunity, Diagnosis
Mansueto S et al
1980 Quad Sclavo Diag Clin e Lab 16 (3) Sept 258-266 Wm
visceral leishmaniasis, human and canine, diagnosis, evaluation of counterimmunoelectrophoresis on cellulose acetate membrane

Immunity, Diagnosis
Mansueto S et al
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 260-261 Wa
hydatidosis, human, diagnosis, simplified counter-immunoelectrophoresis with commercially-produced antigen on cellulose acetate membrane

Immunity, Diagnosis
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1979 Gior Batteriol Virol ed Immunol 72 (1-6) Jan-June 160-168 Wm
Toxoplasma gondii, sera from parturient patients, diagnosis, simultaneous screening of sera by direct agglutination and by immunochemical turbidimetric determination for antibodies and immunoglobulins respectively, useful in assessement of active infections

Immunity, Diagnosis
Martinez-Cairo S et al
1980 Arch Invest Med 11 (3) 347-359 Wm
Cysticercus cellulosae, patients with surgically confirmed central nervous system infections, diagnostic study, indirect hemagglutination test using antibody vs. cysticercus antigen, 68% sensitivity reported

Immunity, Diagnosis
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Toxoplasma (RH and Burk strains), mice (exper.), suspected toxoplasmosis in patients, value of circulating antigen, antibody, and parasitaemia in distinguishing acute, latent, and superinfections, enzyme-linked immunosorbent assay, Sabin Feldman dye test

Immunity, Diagnosis
Mathews HM; Spencer HC; Healy GR
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 404-405 Wa
Entamoeba histolytica, human, comparison of indirect haemagglutination test on serum and filter paper specimens: El Salvador

Immunity, Diagnosis
Matossian RM
1981 J Helminth 55 (1) Mar 49-57 Wa
hydatid disease, human, simplified radioimmunoassay (RIA) compared with indirect haemagglutination test; trichinosis, human, RIA compared with fluorescent antibody test

Immunity, Diagnosis
Mauras G; Laget P; Senet JM
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Toxoplasma gondii, diagnosis, latex agglutination

Immunity, Diagnosis
Meakins RH; Harland PSEG; Carswell F
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helminthiasis and malnutrition among schoolchildren, preliminary survey; immediate skin hypersensitivity tests for Ascaris and Schistosoma proved unreliable: Tanzania

Immunity, Diagnosis
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1979 Ceskoslov Gynek 44 (10) Dec 741-742 Wm
toxoplasmosis, women with spontaneous abortions, diagnosis, leukocyte adherence inhibition test

Immunity, Diagnosis
Mesaric B; Panian Z
1979 Lijec Vjesnik Zagreb 101 (8) Aug 501-502 Wm
parasitic orbital edema, significance of immuno-diagnosis; fascioliasis, child, case report, diagnosed by skin test and gel diffusion

Immunity, Diagnosis
Michael AI et al
1979 Tropenmed u Parasitol 30 (4) Dec 423-425 Wa
Schistosoma mansoni, S. haematobium, human, single and mixed infections, diagnosis, immunoperoxidase histochemistry, comparison with ELISA

Immunity, Diagnosis
Milatovic D; Braveny I
1980 J Clin Path 33 (9) Sept 841-844 Wa
Toxoplasma gondii, diagnosis, enzyme-linked immunosorbent assay (ELISA) vs. dye test and indirect haemagglutination test, ELISA offers no clear advantage in routine serological diagnosis but would be useful in population screening if method were standardised

Immunity, Diagnosis
Milder JE et al
1980 J Clin Microbiol 11 (4) Apr 409-417 Wa
Pneumocystis carinii in rat bronchial lavage fluid, diagnosis, comparison of histological stains and immunological techniques, cresyl echt violet and indirect fluorescent antibody are preferred techniques

Immunity, Diagnosis
Miller EC
1980 Zentralbl Gynak 102 (5) 283-294 Wm
Toxoplasma gondii, humans, diagnosis, qualitative and quantitative comparisons of dye test, complement fixation, and intradermal test

Immunity, Diagnosis
Miller EC
1980 Zentralbl Gynak 102 (5) 295-297 Wm
Toxoplasma gondii, diagnostic skin test survey of pregnant women, test results show that following toxoplasmosis infection cellular immune reactions increase slowly, continued use of intradermal test recommended

Immunity, Diagnosis
Miller EC
1980 Zentralbl Gynak 102 (13) 702-708 Wm
Toxoplasma gondii, humans, changes in antibody titers during pregnancy determined using the dye test, skin test, and complement fixation test, diagnostic value of titer changes and correlations with choriogonadatrophic hormones excreted in urine

Immunity, Diagnosis
Milonov OB et al
1979 Khirurgiia (12) Dec 18-24 Wm
echinococcosis, humans, subdiaphragmatic localizations, diagnostic pathologic features, diagnosis by latex and hemagglutination tests and by radiography, surgical procedures

Immunity, Diagnosis
Mitchell GF et al
1981 Proc National Acad Sc 78 (5) May 3165-3169 Wa
Schistosoma japonicum, hybridoma-derived antibody with immunodiagnostic potential, results of radioimmunoassay with Philippine sera

Immunity, Diagnosis
Mithal S et al
1978 Indian J Med Research 67 Mar 367-373 Wa
amoebiasis, human, serodiagnosis, indirect fluorescent antibody test using axenic Entamoeba histolytica, comparison with indirect hemagglutination test

Immunity, Diagnosis
Modzelewska I; Modzelewska-Kolasa A
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umbilical cord serum of 154 randomly selected newborn infants examined using the Rapi-Tex IgM test in order to detect possible intrauterine infections such as Toxoplasma

Immunity, Diagnosis
Monjour L et al
1978 Ann Soc Belge Med Trop 58 (4) Dec 287-291 Wa
Leishmania donovani in modified liquid culture medium, quick production of somatic and metabolic antigens, useful with the gel diffusion test for diagnosing and field screening for infections of man and animals

Immunity, Diagnosis
Monjour L et al
1978 Ann Soc Belge Med Trop 58 (4) Dec 293-300 Wa
Leishmania donovani, counterimmunoelectrophoresis on cellulose acetate membranes, useful tool for diagnosis and epidemiological surveys of human or canine sera, comparisons with results using the fluorescent antibody test

Immunity, Diagnosis
Montenegro S et al
1981 Vet Parasitol 8 (4) Sept 291-297 Wa
Babesia bovis, Anaplasma marginale, cattle, diagnosis, utilization of culture-derived soluble antigen in latex agglutination test

Immunity, Diagnosis
Morii T et al
1981 Internat J Parasitol 11 (3) June 187-190 Wm
Leucocytozoon caulleryi, chickens, evaluation of immunodiffusion test for epizootiological surveys, comparison with parasitological diagnosis, some data on seasonal incidence in Japan, L. sabrazesi also found in Taiwan: Japan; Taiwan; Philippines; Singapore; Malaysia; Thailand

Immunity, Diagnosis
Muhm RL et al
1979 Proc 22 Ann Meet Am Ass Vet Lab Diagn (San Diego California Oct 28-30 1979) 139-146 Wa
Sarcocystis, cattle, case history, diagnosis using immunofluorescence, serology, and histopathology

Immunity, Diagnosis
Mukerji K et al
1980 Indian J Exper Biol 18 (8) Aug 905-906 Wa
Ascaris lumbricoides var. hominis, trichloroacetic acid soluble fraction of body wall extract used in intradermal test for immunodiagnosis of human ascariasis

Immunity, Diagnosis
Murthy PK et al
1978 Indian J Med Research 68 Sept 428-434 Wa
Brugia malayi larval antigen used for filariasis skin test, reactions inhibited in persons receiving diethylcarbamazine therapy: villages near Lucknow

Immunity, Diagnosis
Nagathy HF; Tabarestani M
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 720-721 Wa
hydatidosis, humans, diagnosis, evaluation of counter-immunoelectrophoresis and agar gel diffusion techniques: Iran

Immunity, Diagnosis
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Toxoplasma gondii, human, diagnosis, method for avoiding false-positive results occurring in IgM enzyme-linked immunosorbent assays due to presence of both rheumatoid factor and antinuclear antibodies

Immunity, Diagnosis
Naot Y; Desmonts G; Remington JS
1981 J Pediat St. Louis 98 (1) Jan 32-36 Wa
Toxoplasma gondii, infants with congenital infection, diagnosis, IgM enzyme-linked immunosorbent assay test is highly sensitive and specific

Immunity, Diagnosis
Naot Y; Remington JS
1980 J Infect Dis 142 (5) Nov 757-766 Wa
Toxoplasma gondii, humans, enzyme-linked immunosorbent assay for detection of IgM antibodies, more sensitive than Sabin-Feldman dye test or IgM-immunofluorescence antibody test

Immunity, Diagnosis
Nemec R; Catar G
1981 Bratisl Lekar Listy 76 (2) Aug 151-156 Wm
toxoplasmosis, humans, diagnosis, enzyme-linked immunosorbent assay, recommendations for use

Immunity, Diagnosis
Neva FA; Gam AA; Burke J
1981 J Infect Dis 144 (5) Nov 427-432 Wa
strongyloidiasis in humans, comparison of larval antigens in an enzyme-linked immunosorbent diagnostic assay

Immunity, Diagnosis
Ngu JL
1978 Acta Trop 35 (3) Sept 269-279 Wa
Onchocerca volvulus, patients with generalized type vs. localized reactive type disease, skin testing, leucocyte migration inhibition test, enzyme linked immunosorbent assay

Immunity, Diagnosis
Ngu JL et al
1981 Tropenmed u Parasitol 32 (3) Sept 165-170 Wa
Onchocerca volvulus, human, diagnostic skin test, excretory/secretory products of microfilariae from nodules used as antigen, low incidence of positive reactions in patients with Loa loa or Ascaris, same subjects skin tested with Ascaris lumbricoides somatic antigen also

Immunity, Diagnosis
Nilsson LA et al
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 201-204 Wa
Schistosoma mansoni, human, serodiagnosis by thin layer immunoassay (TIA), comparison with passive haemagglutination and immunoprecipitation, cross-testing of sera of patients with different parasitic diseases using TIA plates coated with extracts from the relevant parasites

Immunity, Diagnosis
Nilsson LA; Petchclai B; Elwing H
1980 Am J Trop Med and Hyg 29 (4) July 524-529 Wa
Entamoeba histolytica, human, thin layer immunoassay used to demonstrate antibodies, comparison with indirect hemagglutination and immunodiffusion techniques

Immunity, Diagnosis
Nuti M; Abdullhai SE; Vullo V
1978 Ann Med Nav 83 (4) Oct-Dec 964-968 Wm
Schistosoma haematobium, humans, diagnosis, indirect immunoperoxidase test

Immunity, Diagnosis
Nuttall PA
1980 Lancet London (8175) 1 May 3 873-874 Wa
Toxoplasma, pregnant women, modified haemagglution test used for routine diagnostic screening, reliable results at low cost

Immunity, Diagnosis
O'Hara CM; Gardner WA; Bennett BD
1980 Acta Cytol 24 (5) Sept-Oct 448-451 Wa
Trichomonas vaginalis, immunoperoxidase staining in cytologic material, diagnosis

Immunity, Diagnosis
Omanga U; Muganga N
1981 Ann Soc Belge Med Trop 61 (1) Mar 5-14 Wa
Plasmodium falciparum, children with acute infections, fluorescent antibody test used to compare serological immune response to uncomplicated vs. cerebral infection: Zaire

Immunity, Diagnosis
Oniki S; Kurakazu K
1980 Nippon Ganka Gakkai Zasshi (Acta Soc Ophth Japon) 84 (9) Sept 10 1408-1416 Wm
toxoplasmosis, serum from humans with eye infections, diagnostic evaluation of indirect fluorescent antibody test, indirect hemagglutination test, and latex agglutination test, Sabin-Feldman dye test used as reference

Immunity, Diagnosis
Orlandi M; Bottone U
[1980] Riv Parassitol Roma 39 (2-3) 1978 193-197 Issued Jan Wa
visceral larva migrans, diagnosis in humans and animals using the adherence reaction test and serum from rabbits experimentally infected with Toxocara canis vs. Ascaris suum

Immunity, Diagnosis
Osman ZM et al
1978 Bull Ophth Soc Egypt (75) 71 177-190 Wm
Toxoplasma, blind children, diagnosis of congenital infection using fluorescent antibody test, probable role in etiology of blindness: Egypt

Immunity, Diagnosis
Pakan J et al
1980 Bratisl Lekar Listy 73 (5) May 580-585 Wm
toxoplasmosis, diagnostic importance of seroimmunological testing of pregnant women in order to reduce prenatal infections and abortions: Bratislava

Immunity, Diagnosis
Pannuti CS et al
1980 Internat J Epidemiol 9 (4) Dec 349-353 Wm
T[oxoplasma] gondii as an etiologic agent of the mononucleosis syndrome, differential diagnosis of clinical and haematologic features using the immune-adherence haemagglutination test and other serological tests: Sao Paulo, Brazil

Immunity, Diagnosis
Parratt D; Cobb SJ
1978 African J Med and Med Sc 7 (2) June 57-64 Wm
Trypanosoma rhodesiense, T. gambiense, humans, diagnosis, heterophile antibody induced agglutinin reactions to sheep and rabbit red cells

Immunity, Diagnosis
Patterson M; Healy GR; Shabot JM
1980 Gastroenterology 78 (1) Jan 136-141 Wa
Entamoeba histolytica, human, serologic diagnosis (indirect hemagglutination and gel diffusion precipitation) superior to fecal examination

Immunity, Diagnosis
Pauluzzi S et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31 144-149 Wa
hydatid disease, human, diagnosis, quantitative standardization of enzyme-linked immunosorbent assay

Immunity, Diagnosis
Peralta JM et al
1980 J Parasitol 66 (2) Apr 342-344 Wa
Trypanosoma cruzi, mice infected with different strains, antibodies detected by different immunodiagnostic tests

**Immunity, Diagnosis**
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**Immunity, Diagnosis**
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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**Immunity, Diagnosis**
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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**Immunity, Diagnosis**
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**Immunity, Diagnosis**
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Trypanosoma brucei gambiense, chronic infection, Nigerian student, diagnosed by computerized axial tomography and immunofluorescence: Oklahoma

Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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1980 J Ass Physicians India 28 (5-6) May-June 119-123 Wm
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Immunity, Diagnosis
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1980 Am J Trop Med and Hyg 29 (4) July 548-552 Wa
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Immunity, Diagnosis
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1980 Bol Med Hosp Inf Mexico 37 (3) May-June 409-412 Wm
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Entamoeba histolytica, humans, sensitivity of enzyme-linked immunosorbent assay in diagnosis evaluated

Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
Stevens DL et al
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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Immunity, Diagnosis
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cutaneous leishmaniasis, occurrence in U.S. Army battalion deployed to Panama Canal Zone for jungle warfare training, medical surveillance program, aspiration cultures of greater value than punch biopsies in confirming early infection, indirect fluorescent antibody and direct agglutination tests useless as diagnostic screening methods in early stages

Immunity, Diagnosis
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1980 J Coll Dairying Nat Sc (18) 8 (2) Oct 249-256 Wa
Babesia gibsoni, dogs, indirect fluorescent antibody test as method for detecting antibody

Immunity, Diagnosis
Tandon A
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Immunity, Diagnosis
Tandon A et al
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Immunity, Diagnosis
Tapales FP et al
1981 Southeast Asian J Trop Med and Pub Health 12 (1) Mar 19-23 Wa
Schistosoma japonicum, humans, diagnosis, solid-phase radioimmunoassay using extracted egg antigen vs. circumoval precipitin test

Immunity, Diagnosis
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1981 Internat J Parasitol 11 (1) Feb 85-88 Wa
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Immunity, Diagnosis
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1980 Zentralbl Vet Med Reihe B 27 (9-10) 764-772 Wa
Trichinella spiralis, guinea pigs (exper.), elimination of false positive reactions in micro-enzyme linked immunosorbent assay by antigen fractionation and technical improvements

Immunity, Diagnosis
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1980 Bol Chileno Parasitol 35 (1-2) Jan-June 21-24 Wm
Toxoplasma gondii, diagnosis in pregnant women and their newborn infants using various immunological tests, treatment recommendations

Immunity, Diagnosis
Terpstra WJ et al
1980 Bull Soc Path Exot 73 (2) Mar-Apr 164-171 Wa
Schistosoma mansoni, S. haematobium, naturally infected humans vs. exper. infected golden hamsters, infection intensity and specific antibody response measured using the indirect fluorescent antibody technique, in general antibody titre reflected infection intensity

Immunity, Diagnosis
Terpstra WJ; Van Helden HPT; Eyakuze VM
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Schistosoma mansoni, S. haematobium, humans, indirect fluorescent antibody test evaluated for seroepidemiological study (prevalence, age, sex, egg excretion), homologous vs. heterologous antigens: East Africa

Immunity, Diagnosis
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Immunity, Diagnosis
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1980 J Clin Microbiol 11 (5) May 499-502 Wm
Anaplasma marginale, cattle, diagnosis, enzyme-linked immunosorbent assay, comparison with card test and complement fixation test

Immunity, Diagnosis
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1980 Tr Roy Soc Trop Med and Hyg 74 (1) 73-76 Wa
Plasmodium falciparum, infant boy, congenital infection, case report, immunofluorescence showed specific IgG and IgM antibodies in maternal cord and 2 early neonatal sera, value of specific IgM antibody in diagnosing congenital infection: Malaysia

Immunity, Diagnosis
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parasitic diseases in Nigerian children, usefulness of indirect fluorescent antibody technique, ELISA also used for Schistosoma mansoni

Immunity, Diagnosis
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1978 African J Med and Med Sc 7 (2) June 107-112 Wm
parasitic infections, humans, application of immunodiagnostic tests discussed in relation to conditions operating in developing countries where diagnostic facilities are often limited, immunofluorescence antibody test identified as the test that could be used universally with success, review

Immunity, Diagnosis
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Entamoeba histolytica, patients with different clinical forms, diagnosis, indirect immunofluorescent technique, sensitivity, specificity, and reproducibility

Immunity, Diagnosis
Tikasingh E et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 715-719 Wa
Plasmodium malariae, human, outbreak probably due to renewal of transmission from recrudescent cases, serology used to help define epidemic (indirect fluorescent antibody test by age group using P. brasilianum, P. falciparum, and P. fieldi as antigens): Grenada

Immunity, Diagnosis
Todorov T et al
1979 Bull World Health Organ 57 (5) 735-740 Wa
echinococcosis, patients operated on for pulmonary infections, diagnostic value of 5 immunological tests compared

Immunity, Diagnosis
Todorov T et al
1979 Bull World Health Organ 57 (5) 741-750 Wa
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Immunity, Diagnosis
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Trypanosoma cruzi, dogs, serological survey using complement-fixation and direct-agglutination tests: southeastern United States

Immunity, Diagnosis
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Entamoeba histolytica, counter immunoelectrophoresis as rapid screening test for liver abscess

Immunity, Diagnosis
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Schistosoma mansoni, urea-soluble egg antigens, systematic fractionation, evaluation of activities and cross-reactivities by single-tube kinetic-dependent enzyme-linked immunosorbent assay

Immunity, Diagnosis
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Immunity, Diagnosis
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1980 Casop Lek Cesk 119 (29-30) July 25 800-803 Wm
Toxoplasma gondii, diagnosis, direct agglutination reaction, tissue culture antigens more sensitive than murine peritoneal exudate antigens

Immunity, Diagnosis
Vervoort T; Magnus E; Van Meirvenne N
1978 Ann Soc Belge Med Trop 58 (3) Sept 177-183 Wa
Trypanosoma brucei gambiense, humans, diagnosis, enzyme-linked immunosorbent assay using variable antigen type of T. b. brucei, no cross-reactions with other parasitic infections

Immunity, Diagnosis
Visvesvara GS et al
1980 Ann Int Med 93 (6) Dec 802-805 Wa
Giardidia lamblia, humans, diagnosis, indirect immunofluorescence test for antibodies is specific and reproducible, may be useful for epidemiological and immunological surveys

Immunity, Diagnosis
Voller A
1980 Internat J Nuclear Med and Biol 7 (2) 157-163 Wa
use of immunofluorescence, enzyme-immunoassay, and radioimmunoassay in parasitic diseases with special reference to malaria, review

Immunity, Diagnosis
Voller A et al
1980 Bull World Health Organ 58 (3) 429-438 Wa
Plasmodium falciparum, longitudinal study of 2 West African populations, antibody levels measured using the ELISA technique, values as reflected by population age, limitations of technique

Immunity, Diagnosis
Vullo V et al
1979 Ann Sclavo 21 (1) Jan-Feb 83-87 Wm
echinococcosis, humans, serological diagnosis, indirect immunoperoxidase method more specific than immunofluorescence

Immunity, Diagnosis
Vullo V et al
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Entamoeba histolytica, humans, diagnosis, immunoperoxidase and indirect immunofluorescence tests

Immunity, Diagnosis
Vullo V et al
1980 Trop and Geogr Med 32 (1) Mar 19-21 Wa
Schistosoma haematobium, humans, diagnosis, indirect immunoperoxidase test, comparison with indirect immunofluorescence test: Somalia

Immunity, Diagnosis
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1980 Ztschr Arztl Fortbild 74 (7) Apr 1 337-339 Wm
Toxoplasma gondii, humans, diagnostic survey using the indirect fluorescent antibody test: Suhl district

Immunity, Diagnosis
Waller T et al
1980 Vet Immunol and Immunopath 1 (4) Dec 353-360 Wa
Encephalitozoon cuniculi, rabbits, immunological diagnosis from post-mortem specimens, india-ink immunoreaction applied to fluids and extracts from different organs

Immunity, Diagnosis
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1980 Nouv Presse Med 9 (5) Jan 26 305-309 Wm
Echinococcus granulosus, immunodiagnostic methods used to confirm classical clinical and radiological diagnostic data and to conduct post-therapeutic surveillances, high prevalence of infection in immigrant workers vs native population in France

Immunity, Diagnosis
Wattre P et al
1980 Rev Prat Paris 30 (15) Mar 11 969-970 973-978 Wm
parasitic diseases, immunodiagnosis, review

Immunity, Diagnosis
Weiland G et al
1980 Berl u Munchen Tierarztl Wchnschr 93 (14) July 15 261-264 Wa
Babesia divergens, cattle (nat. and exper.), diagnosis, indirect immunofluorescence, enzyme-linked immunosorbent assay, indirect haemagglutination, and intradermal tests using antigens of B. divergens and/or B. rodhaini

Immunity, Diagnosis
Weiss N; Speiser F; Hussain R
1981 Acta Trop 38 (3) Sept 353-362 Wa
Onchocerca volvulus, human, detection of IgE antibodies with radioallergosorbent test using O. volvulus vs. Dipetalonema viteae as antigen, comparison with enzyme linked immunosorbent assay detecting IgG and IgM antibodies against same antigen preparations

Immunity, Diagnosis
Welch JS; Dobson C
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 5-14 Wa
parasitic diseases, immunodiagnosis, utility of in vitro lymphocyte proliferative responsiveness with particular reference to sensitivity and specificity using antigens purified by affinity chromatography, comparison with 3 immunofluorescence tests

Immunity, Diagnosis
Welch JS; Dobson C; Campbell GR
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 614-623 Wa
Angiostrongylus cantonensis, prevalence in rats in Queensland; immunodiagnosis, 3 immunofluorescence tests and in vitro lymphocyte blastogenesis, specificity and sensitivity in immunized rabbits and naturally infected rats, levels of responsiveness in 4 Australian populations in relation to prevalence in rats, use in clinical diagnosis in 5 human cases of eosinophilic meningitis

Immunity, Diagnosis
Weller PF; Ottesen EA; Heck L
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 809-814 Wa
Wuchereria bancrofti, human, immediate and delayed hypersensitivity skin test responses to Dirofilaria immitis filarial skin test (Sawada) antigen, findings document limitations of this antigen preparation in immunodiagnosis of filariasis in residents of an endemic area: Mauke, Cook Islands

Immunity, Diagnosis
Weltman JK; Senft AW
1981 Parasite Immunol 3 (2) Summer 157-163 Wa
schistosomiasis, human, analysis of allergy, immunoglobulin E, and diagnostic skin tests, mathematical model for mast cell degranulation

Immunity, Diagnosis
Williamson JMW; Williams H; Sharman GAM
1980 Research Vet Sc 29 (1) July 36-40 Wa
Toxoplasma gondii, serological surveys of farmed Cervus elaphus, haemagglutination test and Sabin-Feldman dye test compared in experimentally infected deer: Scotland

Immunity, Diagnosis
Wilson CB et al
1980 N England J Med 302 (14) Apr 3 785-788 Wa
Toxoplasma, human congenital infections, diagnosis, lymphocyte transformation, comparison with other methods

Immunity, Diagnosis
Wolstenholme B; Fripp PJ
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 614-615 Wa
schistosomiasis, human, diagnosis, microscopic slide preparation of Schistosoma mansoni cercariae for indirect fluorescent antibody test

Immunity, Diagnosis
Yarzabal LA
1973 Rev Med Chile 101 (7) July 558-564 Wm
Echinococcus granulosus, humans, diagnosis, immunoelectrophoresis test specific and sensitive, agar gel diffusion technique recommended as a screening test

Immunity, Diagnosis
Young ER; Purnell RE
1980 Vet Rec 108 [i e 106] (3) Jan 19 60-61 Wa
Babesia divergens, calves (exper.), dried blood spot and serum compared as source of antibody for micro-enzyme-linked immunosorbent assay test

Immunity, Diagnosis
Zahner H et al
1981 Immun u Infekt 9 (1) Mar 33-39 Wm
enzyme-linked immunosorbent assay, simple method for mathematical calculation of results, Echinococcus in humans one of 3 systems tested

Immunity, Diagnosis
Zapart W; Podlaski S; Deja M
1980 Ang Parasitol 21 (1) Feb 10-15 Wa
helminths, persons associated with mining, school-children, and non-miners, intradermal tests compared with coprological examinations, cross-reactions: Poland

Immunity, Diagnosis
Zudaire Bergera JJ; et al
1980 Actas Urol Espan 4 (4) July-Aug 221-224 Wm
renal hydatidosis, humans, diagnosis, CAT scans, immunoelectrophoresis

Immunity, Electrophoresis See Immunity, Precipitation

Immunity, Enzyme labelling
Adorisio E; Medori MG; Zardi O
1980 Biochem and Exper Biol 16 (3) 315-316 Wa
toxoplasmosis, human, diagnosis, enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Ambroise-Thomas P; Daveau C
1981 Ann Soc Belge Med Trop 61 (2) June 311-318 Wa
Onchocerca volvulus and other human filariasis, current immunological findings, emphasis on ELISA test in diagnosis of onchocerciasis, review, colloquium presentation

Immunity, Enzyme labelling
Ambroise-Thomas P; Desgeorges PT
1980 Bull Soc Path Exot 73 (1) Jan-Feb 89-99 Wa
Echinococcus granulosus, human, diagnostic value and limitations of micro-ELISA, test results compared with those using indirect agglutination and immunofluorescence

Immunity, Enzyme labelling
Ambroise-Thomas P; Desgeorges PT; Bouttaz M
1980 Ann Soc Belge Med Trop 60 (1) Mar 47-60 Wa
fascioliasis, human and bovine, diagnosis by means of the enzyme-linked immunosorbent assay, detection of circulating antigens and antibodies, results compared favorably with those of the immunofluorescence and indirect haemagglutination tests

Immunity, Enzyme labelling
Anthony RL; Christensen HA; Johnson CM
1980 Am J Trop Med and Hyg 29 (2) Mar 190-194 Wa
New World leishmaniasis, human, serodiagnosis, micro enzyme-linked immunosorbent assay with Leishmania braziliensis panamensis promastigote antigens, comparison with indirect immunofluorescence, unidirectional cross-reactivity with sera from Chagas' disease patients

Immunity, Enzyme labelling
Araujo FG; Handman E; Remington JS
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Toxoplasma gondii, monoclonal antibodies can be used in enzyme-linked immunosorbent assay to detect parasite antigens in serum and other body fluids but polyvalent antibody appears to be more satisfactory for this purpose

Immunity, Enzyme labelling
Araujo FG; Remington JS
1980 J Infect Dis 141 (2) Feb 144-150 Wa
Toxoplasma gondii, antigenemia in patients with recently acquired acute toxoplasmosis, detection by enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Bahr G; Modabber FZ
1980 J Immunol Methods 38 (3-4) 205-216 Wm
simplified immunoenzyme antigen binding technique as approach for immunodiagnosis, used to detect immune response of rabbits injected with human hydatid fluid

Immunity, Enzyme labelling
Baldelli B et al
1978 Parassitologia 20 (1-3) Dec 91-99 Wa
Leishmania donovani, human, diagnosis, enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Balsari A et al
1980 J Clin Path 33 (7) July 640-643 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for antibody detection, comparison with other serodiagnostic tests

Immunity, Enzyme labelling
Bennett BD; Bailey J; Gardner WA jr
1980 Arch Path and Lab Med 104 (5) May 247-249 Wa
Trichomonas vaginalis, diagnosis in smears and in paraffin-embedded tissue sections using modified immunoperoxidase techniques

Immunity, Enzyme labelling
Bernard S; Haase M; Guidot G
1980 Berl u Munchen Tierarztl Wchnschr 93 (24) Dec 15 482-485 Wa
trypanosomiasis, trypanotolerant and trypanosensitive cattle breeds, antibody survey using enzyme linked immunosorbent assay and indirect immunofluorescence, high percentage of serologically positive cattle does not correlate with results obtained by direct isolation of trypanosomes; ability of trypanotolerant breeds to limit number of parasites in blood stream cannot be correlated with the concentration of antibodies and must involve another unknown immune mechanism: Upper Volta

Immunity, Enzyme labelling
Bidwell DE; Voller A
1981 Brit Med J (6278) 282 May 30 1747-1748 Wa
Plasmodium falciparum, diagnosis, enzyme-linked immunosorbent assays tested in infected and uninfected monkeys, method useful but less sensitive than conventional blood-film examination

Immunity, Enzyme labelling
Boid R et al
1981 Trop Animal Health and Prod 13 (3) Aug 141-146 Wa
Trypanosoma evansi, goats, sheep, and camels examined with 3 parasitological tests and enzyme immunoassay, trypanosomes found only from camels, antibodies found in all 3 host species, possible epidemiological significance in relation to camel trypanosomiasis: Eastern Sudan

Immunity, Enzyme labelling
Bos HJ et al
1980 Am J Trop Med and Hyg 29 (3) May 358-363 Wa
Entamoeba histolytica in 9 populations, seroepidemiology, enzyme-linked immunosorbent assay, precipitin tests, age distribution: Surinam, South America

Immunity, Enzyme labelling
Cabrera MA; Suazo AT
1980 Bol Med Hosp Inf Mexico 37 (2) Mar-Apr 195-201 Wm
Toxocara canis, Ascaris, children, diagnosis of visceral larva migrans, immunological tests compared with other methods

Immunity, Enzyme labelling
Cailliez M et al
1979 Nouv Presse Med 8 (7) Feb 10 522-523 Wm
human African trypanosomiasis, immunoenzymological diagnostic tests vs. indirect immunofluorescence

Immunity, Enzyme labelling
Carlier Y et al
1980 Bull World Health Organ 58 (1) 99-105 Wa
Toxoplasma gondii, humans, diagnosis, evaluation of the enzyme-linked immunosorbent assay and other serological tests, techniques and sera evaluated in 3 different laboratories

Immunity, Enzyme labelling
Carlier Y; Bout D; Capron A
1979 J Immunol Methods 31 (3-4) Dec 27 237-246 Wm
automation of enzyme-linked immunosorbent assay, application to toxoplasmosis serodiagnosis

Immunity, Enzyme labelling
Carroll SM; Karthigasu KT; Grove DI
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 706-709 Wa
Strongyloides stercoralis, human, serodiagnosis, enzyme-linked immunosorbent assay with S. ratti antigen, comparison with indirect immunofluorescent assay

Immunity, Enzyme labelling
Centurier C; Weiland G; Seubert S
1981 Berl u Munchen Tierarztl Wchnschr 94 (11-12) June 1 238-241 Wa
Ornithodoros moubata, immunized and non-immunized rabbits, no differences in weight gain and weights of replete ticks, course of drop off, and drop off and moulting rate; reaginic antibodies to soluble salivary gland antigen not demonstrable by passive cutaneous anaphylaxis test; intensive antibody formation occurred in immunized and non-immunized rabbits, enzyme-linked immunosorbent assay; no immunity to 2nd nymphal instars developed

Immunity, Enzyme labelling
Cox JC; Horsburgh R; Pye D
1981 Lab Animals 15 (1) Jan 41-43 Wa
Encephalitozoon cuniculi, rabbits, serodiagnosis, enzyme immunoassay, comparison with indirect immunofluorescence test

Immunity, Enzyme labelling
Craig PS et al
1980 Austral J Exper Biol and Med Sc 58 (4) Aug 339-350 Wa
larval taeniid cestode infections, sheep, attempts to produce hybridoma-based immunodiagnostic reagents

Immunity, Enzyme labelling
Craig PS et al
1981 Parasitology 83 (2) Oct 303-317 Wa
Echinococcus granulosus, sheep, murine hybridoma-derived antibodies in processing of antigens for immunodiagnosis

Immunity, Enzyme labelling
Craig PS; Rickard MD
1980 Ztschr Parasitenk 61 (3) 287-297 Wa
Taenia saginata, use of 'crude' antigen in micro-enzyme-linked immunosorbent assay for diagnosis of T. saginata cysticercosis in cattle (nat. and exper.), cross-reactions with sera from cattle harbouring other common parasites particularly Fasciola hepatica

Immunity, Enzyme labelling
Craig PS; Rickard MD
1981 Internat J Parasitol 11 (6) Dec 441-449 Wa
larval cestode infections of cattle and sheep, attempt at specific immunodiagnosis using antigens purified by affinity chromatography in enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Damian RT et al
1981 Am J Trop Med and Hyg 30 (4) July 836-843 Wa
Schistosoma mansoni, multiply-infected Papio cynocephalus, antibody responses, immunoglobulin classes (enzyme-linked immunosorbent assay, slide flocculation, circumoval precipitation, passive cutaneous anaphylaxis, and opsonization tests), immediate hypersensitivity responses (cercarial dermatitis, direct skin testing with adult worm antigen)

Immunity, Enzyme labelling
Deelder AM
1979 Acta Leidensia 47 65-70 Wa
Schistosoma mansoni, isolation of egg antigen and its application in enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Deelder AM et al
1980 Am J Trop Med and Hyg 29 (3) May 401-410 Wa
Schistosoma mansoni, children vs. adults, applicability of 7 different antigen preparations in enzyme-linked immunosorbent assay: Surinam

Immunity, Enzyme labelling
Deelder AM et al
1980 J Immunol Methods 36 (3-4) 269-283 Wm
Schistosoma mansoni, immunodiagnosis, automated measurement of immunogalactosidase reactions with fluorogenic substrate by aperture defined microvolume measurement method

Immunity, Enzyme labelling
Deelder AM; Kornelis D
1980 Ztschr Parasitenk 64 (1) 65-75 Wa
Schistosoma mansoni, immunofluorescent antibody reaction and enzyme-linked immunosorbent assay compared for demonstration of antibodies against schistosome gut-associated polysaccharide antigens

Immunity, Enzyme labelling
Deelder AM; Kornelis D
1981 Trop and Geogr Med 33 (1) Mar 36-41 Wa
Schistosoma mansoni, humans, immunodiagnosis of recently acquired infection, comparison of various immunological techniques

Immunity, Enzyme labelling
Demaree RS jr; Hillyer GV
1981 Am J Trop Med and Hyg 30 (2) Mar 402-405 Wa
Schistosoma mansoni, immunoperoxidase localization by electron microscopy of soluble egg antigen and human IgG in circumoval precipitin reactions around eggs

Immunity, Enzyme labelling
Derouin F et al
1980 Path Biol 28 (7) Sept 465-468 Wa
schistosomiasis, human, enzyme-linked immunosorbent assay using Schistosoma mansoni antigens, false positive reactions with certain other parasitic and non-parasitic diseases, comparison with immunofluorescence and immunoenzymology done on adult sections

Immunity, Enzyme labelling
Desgeorges PT et al
1980 Ann Biol Clin 38 (6) 361-363 Wm
Toxoplasma gondii, fractionation and study of exo-antigens using electrophoresis in gradient of polyacrylamide gel combined with Elisa test (modified Gedelisa test)

Immunity, Enzyme labelling
Dissanayake S; Ismail MM
1980 Bull World Health Organ 58 (4) 649-654 Wa
Setaria digitata antigens, characterization, cross-reaction with surface antigens of Wuchereria bancrofti microfilariae and serum antibodies of W. bancrofti-infected subjects demonstrated with inhibition of indirect immunofluorescence and enzyme-linked immunosorbent asssy technique respectively

Immunity, Enzyme labelling
Dissanayake S; Ismail MM
1980 Bull World Health Organ 58 (4) 655-657 Wa
Wuchereria bancrofti infection in man, diagnosis using enzyme-linked immunosorbent assay with Setaria digitata as antigen, immune sera from cattle infected with S. digitata can be used to selectively block cross reactions with serum antibodies in subjects who show no evidence of W. bancrofti infection

Immunity, Enzyme labelling
Dissanayake S; de Silva LVK; Ismail MM
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 542-544 Wa
Wuchereria bancrofti, human, antifilarial antibody in maternal and umbilical cord blood determined by indirect immunofluorescence, enzyme-linked immunosorbent assay, and radioimmunoassay, antibodies were predominantly of IgG type presumably passively transferred from mother, specific IgM antibody detected in some cord blood samples probably in response to transplacental transfer of filarial antigens: Sri Lanka

Immunity, Enzyme labelling
Dottorini S; Tassi C; Baldelli F
1981 Boll Ist Sieroterap Milanese 60 (2) May 31 137-143 Wa
hydatid disease, human, diagnosis, enzyme-linked immunosorbent assay compared to indirect hemoagglutination reaction

Immunity, Enzyme labelling
Duermeyer W et al
1980 J Clin Microbiol 12 (6) Dec 805-806 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for detection of IgM antibodies

Immunity, Enzyme labelling
Farrell CJ et al
1981 Am J Vet Research 42 (2) Feb 237-240 Wa
Fasciola hepatica, cattle, diagnosis, enzyme-linked immunosorbent assay, 4 antigen preparations tested

Immunity, Enzyme labelling
Felgner P et al
1981 Tropenmed u Parasitol 32 (3) Sept 134-140 Wa
Trypanosoma brucei gambiense, human, prevalence by age and sex, parasitological examination (hematocrit centrifugation technique, subinoculation into Mastomys natalensis, miniature anion exchange centrifugation method), immunodiagnostic examination (enzyme-linked immunosorbent assay, indirect immunofluorescent test, radial immunodiffusion for IgM concentrations): Ivory Coast; Upper Volta

Immunity, Enzyme labelling
Ferrucci M
1980 Quad Sclavo Diag Clin e Lab 16 (2) June 176-192 Wm
toxoplasmosis, humans, comparative review of currently used diagnostic tests

Immunity, Enzyme labelling
Franco EL; Walls KW; Sulzer AJ
1981 J Clin Microbiol 13 (5) May 859-864 Wa
Toxoplasma gondii, human, serodiagnosis, reverse enzyme immunoassay for detection of specific IgM antibodies

Immunity, Enzyme labelling
Fuchs AP et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 242-245 Wm
T[rypanosoma] cruzi, Chagas disease patients, serological diagnostic test results compared (indirect immunofluorescence, indirect hemagglutination, complement fixation, ELISA) with clinical findings

Immunity, Enzyme labelling
Galant SP et al
1980 South Med J 73 (4) Apr 435-437 Wm
Toxocara canis, diagnostic considerations, especially in children with eosinophilia, pica, and pet dogs, suggested immunoserological tests

Immunity, Enzyme labelling
Gallie GJ; Sewell MMH
1981 Trop Animal Health and Prod 13 (3) Aug 147-154 Wa
Taenia saginata, calves, immunity to oral challenge following intramuscular inoculation with oncospheres, migration of parasites from inoculation sites; parenteral inoculation of calves by different routes and intramuscular inoculation of (previously orally infected or uninfected) adult cattle also studied; enzyme-linked immunosorbent assay more sensitive in detecting antibodies in infected calves than indirect haemagglutination test

Immunity, Enzyme labelling
Geerts S et al
1981 Research Vet Sc 30 (3) May 288-293 Wa
Taenia saginata cysticercosis, cattle (nat. and exper.), serodiagnosis, enzyme linked immunosorbent assay using T. crassiceps metacestode antigen, sensitivity and specificity

Immunity, Enzyme labelling
Geerts S et al
1981 Vet Parasitol 8 (4) Sept 299-307 Wa
Taenia saginata cysticercosis in cattle (nat. and exper.), diagnosis, comparative evaluation of immunoelectrophoresis, counterimmunoelectrophoresis, and enzyme linked immunosorbent assay (T. saginata used as antigen for first 2, T. crassiceps for ELISA), also tested against sera of cattle and sheep with other helminth infections, some cross-reactions, none of 3 tests sufficiently reliable to make diagnosis on individual basis, may be useful for diagnosis on herd basis

Immunity, Enzyme labelling
Ghose AC et al
1980 Clin and Exper Immunol 40 (2) May 318-326 Wa
Leishmania donovani, 49 active kala-azar patients, IgA, IgG, IgM, and C3 levels, anti-leishmanial titres in indirect haemagglutination method, IgG and IgM class-specific antibody titres in enzyme-linked immunosorbent assay method, serodiagnostic potential of ELISA

Immunity, Enzyme labelling
Gittelman HJ et al
1981 J Clin Microbiol 13 (2) Feb 309-312 Wa
Dirofilaria immitis, dogs, serodiagnosis, quantitative automated fluorescent immunoassay technique compared with manual semi-quantitative enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Glickman LT; Dubey JP; Winslow LJ
1981 Parasitology 82 (3) June 383-387 Wa
Toxocara canis, ascarid-free dogs fed 100 or 10,000 eggs, serological response, enzyme-linked immunosorbent assay is sensitive and specific

Immunity, Enzyme labelling
Gomez Garcia V; Rodriguez Osorio M; Gonzalez Castro J
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 55-63 Wa
Trichinella spiralis, micro-ELISA test for detection of antigens in sera of rats (exper.), optimal experimental conditions established

Immunity, Enzyme labelling
Gray MA et al
1980 Research Vet Sc 29 (3) Nov 360-366 Wa
Theileria parva, T. annulata, cattle, serodiagnosis, enzyme linked immunosorbent assay, comparison with indirect fluorescent antibody test, significant cross-reaction in ELISA with sera from calf infected with Babesia bigemina but not from animals infected with other Babesia spp. or Theileria spp.

Immunity, Enzyme labelling
Grelck H; Hoerchner F; Unterholzner J
1981 Ztschr Parasitenk 65 (3) 277-282 Wa
Ascaris suum, Toxocara canis, pigs (exper.), serological differentiation of nematodes using enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Grieve RB et al
1981 Am J Vet Research 42 (1) Jan 66-69 Wa
Dirofilaria immitis, dogs (exper.), enzyme-linked immunosorbent assay for measurement of antibody responses

Immunity, Enzyme labelling
Guimaraes MCS et al
1981 Am J Trop Med and Hyg 30 (5) Sept 942-947 Wa
mucocutaneous leishmaniasis, kala-azar, and Chagas' disease sera tested in ELISA and immunofluorescence tests with Trypanosoma cruzi, Leishmania donovani, and L. braziliensis antigens, antigen obtained from live T. cruzi epimastigotes appears to be usable to distinguish between antibodies to T. cruzi and to Leishmania

Immunity, Enzyme labelling
Hackett F et al
1981 Vet Parasitol 8 (2) May 137-142 Wa
Taenia hydatigena, diagnosis of metacestode infections in lambs, micro ELISA (T. hydatigena cyst fluid antigen) and indirect haemagglutination (T. hydatigena and T. multiceps cyst fluid antigens) tests

Immunity, Enzyme labelling
Haldar JP; Saha KC; Ghose AC
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 514-517 Wa
Leishmania donovani, human, post kala-azar dermal leishmaniasis, serum immunoglobulin and C3 levels, specific antibody titres in indirect haemagglutination and enzyme-linked immunosorbent assay methods, overall difference compared to serological profile of kala-azar patients: India

Immunity, Enzyme labelling
Hamilton RG et al
1981 J Immunol Methods 44 (1) July 17 101-114
Wm
filariasis patients from endemic Wuchereria bancrofti areas, quantitation of filaria-specific IgG and IgE in sera, evaluation of solid-phase radioimmunoassay and enzyme-linked immunosorbent assay methodology using Brugia malayi as antigen

Immunity, Enzyme labelling
Haroun EM; Hammond JA; Sewell MMH
1980 Research Vet Sc 28 (3) May 377-379 Wa
Fasciola hepatica, immature and mature infections stimulating resistance in rats but not rabbits, host differences (fluke numbers following challenge, peripheral eosinophil counts, serum glutamic dehydrogenase levels, response to enzyme-linked immunosorbent assays)

Immunity, Enzyme labelling
Harrison LJS; Sewell MMH
1981 Research Vet Sc 31 (1) July 62-64 Wa
Taenia saginata, cattle, comparison of T. saginata proglottid extract, T. saginata metacestode excretory/secretory products, and T. crassiceps metacestode extract for use as serodiagnostic antigens in enzyme linked immunosorbent assay; cross-reaction of T. saginata proglottid extract with sera from Ostertagia ostertagi infected cattle: Britain

Immunity, Enzyme labelling
Harrison LJS; Sewell MMH
1981 Vet Immunol and Immunopath 2 (1) Feb 67-73
Wa
Taenia saginata, 3-12 month old calves and neonatal calves (exper.), serological response, comparison of enzyme linked immunosorbent assay and indirect haemagglutination technique

Immunity, Enzyme labelling
Hartmann DP; Ghadirian E; Meerovitch, E
1980 J Parasitol 66 (2) Apr 344-345 Wa
Entamoeba histolytica, hamsters, experimental hepatic amebiasis, serodiagnosis, comparison of enzyme-linked immunosorbent assay and indirect hemagglutination

Immunity, Enzyme labelling
Hillyer GV et al
1980 Am J Trop Med and Hyg 29 (6)
Nov 1254-1257 Wa
Schistosoma haematobium, S. mansoni, humans, single or mixed infections, immunodiagnosis, comparison of circumoval precipitin test, Ouchterlony immunodiffusion, and enzyme-linked immunosorbent assay: Egypt

Immunity, Enzyme labelling
Hillyer GV; Kagan IG
1979 Bol Asoc Med Puerto Rico 71 (10) Oct 366-377 Wm
new advances in immunodiagnosis of parasitic infections, enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Hillyer GV; Rossy M
1980 Am J Trop Med and Hyg 29 (3) May 411-415
Wa
Schistosoma mansoni, mice, antibodies to DNA detected by enzyme-linked immunosorbent assay, suggestion that immune complexes are present in circulation by 9 and 11 weeks of infection

Immunity, Enzyme labelling
Hillyer GV; Sagramoso de Ateca L
1980 Am J Trop Med and Hyg 29 (4) July 598-601
Wa
Schistosoma mansoni or Fasciola hepatica in mice, antibody responses to antigen preparations from both species, Ouchterlony immunodiffusion, circumoval precipitin test, enzyme-linked immunosorbent assay, indirect hemagglutination

Immunity, Enzyme labelling
Hoerchner F; Bofenschen F; Zander B
1979 Tropenmed u Parasitol 30 (3) Sept 265-273
Wa
Trypanosoma b. brucei, T. congolense, T. vivax, serological differentiation, immunoperoxidase, immunofluorescence, immunoperoxidase-complement fixation, and immunofluorescence-complement fixation tests compared

Immunity, Enzyme labelling
Iacona A; Pini C; Vicari G
1980 Am J Trop Med and Hyg 29 (1) Jan 95-102 Wa
human hydatid disease, serodiagnosis, evaluation of enzyme-linked immunosorbent assay, comparison with indirect hemagglutination, double diffusion, and immunoelectrophoresis

Immunity, Enzyme labelling
Ismail MM; James C; Webbe G
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 542-548
Wa
Schistosoma haematobium-infected Papio anubis (exper.), enzyme linked immunosorbent assay for detection of circulating antigen and antibody and for evaluating efficacy of schistosomicides

Immunity, Enzyme labelling
Janitschke K et al
1981 J Trop Med and Hyg 84 (4) Aug 147-154 Wa
schistosomiasis, humans, diagnosis, evaluation of the ELISA test as an epidemiological tool, comparisons with parasitological findings and other immunodiagnostic tests, test correlations using a Multiscan photometer, recommended for epidemiological surveys

Immunity, Enzyme labelling
Kaliraj P; Ghirnikar SN; Harinath BC
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 119-120
Wa
Wuchereria bancrofti, human, micro enzyme linked immunosorbent assay

Immunity, Enzyme labelling
Kaliraj P; Ghirnikar SN; Harinath BC
1981 Am J Trop Med and Hyg 30 (5) Sept 982-987
Wa
Wuchereria bancrofti, human, immunodiagnosis, comparative efficiency of indirect hemagglutination test, indirect fluorescent antibody test, and enzyme-linked immunosorbent assay done with W. bancrofti microfilarial antigens

Immunity, Enzyme labelling
Keus A; Kloosterman A; van den Brink R
1981 Vet Parasitol 8 (3) July 229-236 Wa
Cooperia spp., Ostertagia spp., calves, detection of antibodies with enzyme linked immunosorbent assay, some degree of genus specificity when using $L_4$ or adult antigens but not $L_3$ antigens, stage-specificity observed for Cooperia $L_4$ antigen for limited period after primary single infection

Immunity, Enzyme labelling
van Knapen F et al
1980 Vet Parasitol 7 (2) Sept 109-121 Wa
Trichinella spiralis, pigs (exper.), detection of infections, comparison of enzyme-linked immunosorbent assay with trichinoscopy, digestion method, and immunofluorescence technique

Immunity, Enzyme labelling
Knoblock J; Funke M; Bienzle U
1980 Tropenmed u Parasitol 31 (4) Dec 414-416 Wa
Entamoeba histolytica, human, autochthonous liver abscess, case report, immunological confirmation using enzyme-linked immunosorbent assay: Hamburg, West Germany

Immunity, Enzyme labelling
Leaute JB; Hanna SM
1980 Ann Biol Clin 38 (3) 175-178 Wm
toxoplasmosis, human sera, diagnosis, enzyme-linked immunosorbent assay compared with other immunologic diagnostic tests

Immunity. Enzyme labelling
Leggiadro RJ et al
1981 J Infect Dis 144 (5) Nov 484 Wa
Pneumocystis carinii antigen measured by enzyme immunoassay, sensitive system useful for diagnostic purposes and for testing food, water, and soil samples in epidemiologic investigation

Immunity, Enzyme labelling
Lehner RP; Sewell MMH
1980 Parasite Immunol 2 (2) Summer 99-109 Wa
Fasciola hepatica, antigens produced by adult flukes maintained in vitro, reactions using sera from infected animals in immunodiffusion and enzyme linked immunosorbent assay

Immunity, Enzyme labelling
Levine DM; Hillyer GV; Flores SI
1980 Am J Trop Med and Hyg 29 (4) July 602-608 Wa
Fasciola hepatica, mice and rabbits given and not given chemotherapy, diagnosis, comparison of counterelectrophoresis (CEP), enzyme-linked immunosorbent assay (ELISA), and Kato thick-smear stool examinations, ELISA was most sensitive in detecting early infection but CEP was best indicator of chemotherapeutic success

Immunity, Enzyme labelling
Lin TM et al
1981 J Clin Microbiol 13 (4) Apr 646-651 Wa
Entamoeba histolytica, human, simple standardized enzyme-linked immunosorbent assay, high degree of correlation with agar gel diffusion, counterelectrophoresis, and indirect hemagglutination methods as well as with clinical data

Immunity, Enzyme labelling
Lin TM; Halbert SP; O'Connor GR
1980 J Clin Microbiol 11 (6) June 675-681 Wa
Toxoplasma gondii, human, standardized quantitative enzyme-linked immunosorbent assay for detection of antibodies, comparison with dye test, indirect immunofluorescence test, and passive hemagglutination test

Immunity. Enzyme labelling
Long EG et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 365-371 Wa
Schistosoma mansoni, human, diagnosis, comparison of sensitivity and specificity of ELISA, radioimmunoassay, and stool examination (Bell filtration technique, Kato thick smear), host age effects: St. Lucia, West Indies

Immunity. Enzyme labelling
Long EG; Lawrence MC; Augustine T
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 740-741 Wa
Schistosoma mansoni, human, persistence of seropositivity by ELISA in blood spots on filter paper strips

Immunity, Enzyme labelling
van Loon A; van der Veen J
1980 J Clin Path 33 (7) July 635-639 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for quantitation of antibodies in human sera, sensitivity compared with immunofluorescence and complement fixation

Immunity, Enzyme labelling
Lunde MN; Ottesen EA
1980 Am J Trop Med and Hyg 29 (1) Jan 82-85 Wa
Schistosoma mansoni, humans, acute or chronic infections, enzyme-linked immunosorbent assay used to detect IgG, IgM, and IgE antibodies

Immunity, Enzyme labelling
Luxenberg MN
1979 Tr Am Ophth Soc 77 542-602 Wm
Toxocara canis, exper. infection in Aotus trivirgatus, clinical manifestations with emphasis on eye infections, various diagnostic tests, evaluation of systemic and intraocular responses with various laboratory and serological tests including the ELISA test, literature review

Immunity, Enzyme labelling
McLaren ML et al
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 636-639 Wa
Schistosoma mansoni, humans, serodiagnosis, enzyme linked immunosorbent assay: St. Lucia

Immunity. Enzyme labelling
McLaren ML et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 72-79 Wa
Schistosoma mansoni, human, serodiagnosis, enzyme-linked immunosorbent assay, enhanced sensitivity and specificity using fraction containing S. mansoni egg antigens $\omega^1$ and $\alpha^1$ (specificity of 100% with respect to non-schistosome infections and cases of avian cercarial dermatitis, 70% and 94% specificity with respect to S. japonicum and S. haematobium infections respectively)

Immunity, Enzyme labelling
Mas Bakal P; in't Veld N
1979 Acta Leidensia 47 37-44 Wa
Toxoplasma (RH and Burk strains), mice (exper.), suspected toxoplasmosis in patients, value of circulating antigen, antibody, and parasitaemia in distinguishing acute, latent, and superinfections, enzyme-linked immunosorbent assay, Sabin Feldman dye test

Immunity, Enzyme labelling
Michael AI et al
1979 Tropenmed u Parasitol 30 (4) Dec 423-425 Wa
Schistosoma mansoni, S. haematobium, human, single and mixed infections, diagnosis, immunoperoxidase histochemistry, comparison with ELISA

Immunity, Enzyme labelling
Milatovic D; Braveny I
1980 J Clin Path 33 (9) Sept 841-844 Wa
Toxoplasma gondii, diagnosis, enzyme-linked immunosorbent assay (ELISA) vs. dye test and indirect haemagglutination test, ELISA offers no clear advantage in routine serological diagnosis but would be useful in population screening if method were standardised

Immunity, Enzyme labelling
Mineo JR; Camargo ME; Ferreira AW
1980 Infect and Immun 27 (2) Feb 283-287 Wa
Toxoplasma gondii, human, enzyme-linked immunosorbent assay (ELISA) for antibodies to toxoplasma polysaccharide fraction, comparison with ELISA using toxoplasma total protein extract as antigen

Immunity, Enzyme labelling
Naot Y; Barnett EV; Remington JS
1981 J Clin Microbiol 14 (1) July 73-78 Wm
Toxoplasma gondii, human, diagnosis, method for avoiding false-positive results occurring in IgM enzyme-linked immunosorbent assays due to presence of both rheumatoid factor and antinuclear antibodies

Immunity, Enzyme labelling
Naot Y; Desmonts G; Remington JS
1981 J Pediat St. Louis 98 (1) Jan 32-36 Wa
Toxoplasma gondii, infants with congenital infection, diagnosis, IgM enzyme-linked immunosorbent assay test is highly sensitive and specific

Immunity, Enzyme labelling
Naot Y; Remington JS
1980 J Infect Dis 142 (5) Nov 757-766 Wa
Toxoplasma gondii, humans, enzyme-linked immunosorbent assay for detection of IgM antibodies, more sensitive than Sabin-Feldman dye test or IgM-immunofluorescence antibody test

Immunity, Enzyme labelling
Naot Y; Remington JS
1981 J Immunol Methods 43 (3) June 30 333-341 Wm
Toxoplasma gondii, use of enzyme-linked immunosorbent assays (IgM and IgG sandwich ELISA and IgM and IgG double sandwich ELISA) for detection of monoclonal antibodies to various T. gondii antigens

Immunity, Enzyme labelling
Nash TE; Lunde MN; Cheever AW
1981 J Immunol 126 (2) Feb 805-810 Wm
Schistosoma mansoni, analysis and antigenic activity of carbohydrate fraction derived from adult worms, ELISA, radioimmunoassay, relationship of antibody response to length and intensity of infection

Immunity, Enzyme labelling
Nemec R; Catar G
1981 Bratisl Lekar Listy 76 (2) Aug 151-156 Wm
toxoplasmosis, humans, diagnosis, enzyme-linked immunosorbent assay, recommendations for use

Immunity, Enzyme labelling
Neva FA; Gam AA; Burke J
1981 J Infect Dis 144 (5) Nov 427-432 Wa
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Immunity, Enzyme labelling
Ngu JL
1978 Acta Trop 35 (3) Sept 269-279 Wa
Onchocerca volvulus, patients with generalized type vs. localized reactive type disease, skin testing, leucocyte migration inhibition test, enzyme linked immunosorbent assay

Immunity, Enzyme labelling
Nuti M; Abdullhai SE; Vullo V
1978 Ann Med Nav 83 (4) Oct-Dec 964-968 Wm
Schistosoma haematobium, humans, diagnosis, indirect immunoperoxidase test

Immunity, Enzyme labelling
O'Hara CM; Gardner WA; Bennett BD
1980 Acta Cytol 24 (5) Sept-Oct 448-451 Wa
Trichomonas vaginalis, immunoperoxidase staining in cytologic material, diagnosis

Immunity, Enzyme labelling
Pauluzzi S et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31 144-149 Wa
hydatid disease, human, diagnosis, quantitative standardization of enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Picq JJ et al
1979 Bull Soc Path Exot 72 (3) May-June 231-237 Wa
African trypanosomiasis, humans, diagnosis, evaluation of the micro-ELISA test using Trypanosoma b. brucei as antigen source

Immunity, Enzyme labelling
Pinon JM et al
1978 Bull Soc Path Exot 71 (2) Mar-Apr 189-195 Wa
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Immunity, Enzyme labelling
Polderman AM; de Vries H; van de Water TPM
1980 Acta Leidensia 48 37-42 Wa
toxocariasis, human, serological diagnosis, unsuccessful attempts to increase specificity of ELISA by using fractions of larval Toxocara canis antigens, immunofluorescence on cuticle of intact larvae shown to be specific but not very sensitive test

Immunity, Enzyme labelling
Pollard ZF et al
1979 Ophthalmology 86 (5) May 743-752 Wm
Toxocara canis, humans, eye involvement, diagnosis using the enzyme-linked immunosorbent assay, no significant improvement with thiabendazole therapy

Immunity, Enzyme labelling
Poupin F et al
1978 Bull Soc Path Exot 71 (6) Nov-Dec 430-440 Wa
African trypanosomiasis, humans, diagnosis, enzyme linked immunosorbent assay vs. immunoperoxidase technique

Immunity, Enzyme labelling
Prasad LS; Saran R; Sells P
1980 Indian J Med Research 71 May 708-711 Wa
Leishmania donovani, human visceral infections, diagnosis, microplate enzyme linked immunosorbent assay

Immunity, Enzyme labelling
Quakyi IA
1980 Tropenmed u Parasitol 31 (3) Sept 325-333 Wa
malaria, development and validation of enzyme linked immunosorbent assay, immunodiagnostic and seroepidemiological value, comparison with indirect immunofluorescence antibody test

Immunity, Enzyme labelling
Rassam MB; Al-Mudhaffar SA
1980 Ann Trop Med and Parasitol 74 (3) June 283-287 Wa
kala azar, children, diagnosis, comparison of bone marrow culture, Ouchterlony double gel diffusion, immunoelectrophoresis, countercurrent immunoelectrophoresis, and micro-ELISA: Iraq

Immunity, Enzyme labelling
Rassam MB; Al-Mudhaffar SA
1980 Ann Trop Med and Parasitol 74 (6) Dec 591-595 Wa
Leishmania donovani, micro-ELISA sandwich technique for quantitation of soluble antigen

Immunity, Enzyme labelling
Robert R et al
1980 Rec Med Vet 156 (7-8) July-Aug 533-538 Wa
Fasciola hepatica, cattle, diagnosis by indirect hemagglutination, inhibition of indirect hemagglutination, and immunoenzymatic tests, specificity and sensitivity

Immunity, Enzyme labelling
Roffi J et al
1980 Am J Trop Med and Hyg 29 (2) Mar 183-189 Wa
Leishmania tropica major, human, cutaneous leishmaniasis, diagnosis, enzyme-linked immunosorbent assay using homologous antigen, equally useful in diagnosing visceral (L. donovani infantum) and mucocutaneous (L. braziliensis and L. t. major) forms, cross reactions with sera from patients with Trypanosoma brucei gambiense, leprosy, and tuberculosis

Immunity, Enzyme labelling
Roffi J et al
1980 Bull Soc Path Exot 73 (1) Jan-Feb 67-74 Wa
trypanosomiasis, humans, diagnosis, application of the ELISA technique with Trypanosoma brucei gambiense antigens and dried blood samples, possible use in epidemiological surveys

Immunity, Enzyme labelling
Rotmans JP; Mooij GW
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 463-468 Wa
Schistosoma mansoni, separation of adult worm antigen fractions, use in defined antigen substrate spheres system and enzyme-linked immunosorbent assay with serum from schistosomiasis patients, cross-reactivity with serum from patients with other helminth infections

Immunity, Enzyme labelling
Salonen EM; Vaheri A
1981 J Immunol Methods 41 (1) Feb 27 95-103 Wm
rapid solid-phase enzyme immunoassay for antibodies to viruses and other microbes (including Toxoplasma gondii), effects of polyethylene glycol

Immunity, Enzyme labelling
de Savigny D; Voller A
1980 Internat J Nuclear Med and Biol 7 (2) 165-171 Wa
Toxocara canis, human, comparison of isotopic immunoassay vs. enzyme-immunoassay

Immunity, Enzyme labelling
de Savigny D; Voller A
1980 J Immunoassay 1 (1) 105-128 Wm
communication of ELISA data from laboratory to clinician, problems and possible solutions, Toxocara canis ELISA system used as model

Immunity, Enzyme labelling
Schimek PA; Perez WA; Carrera GM
1979 Ann Ophth Chicago 11 (9) Sept 1387-1390 Wm
Toxocara causing visceral larva migrans in children, ophthalmic manifestations, diagnosis using ELISA serum antigen determination, thiabendazole therapy useful if the parasitic organism is still alive: Louisiana

Immunity, Enzyme labelling
Seawright GL; Sanders WM; Bryson M
1981 Advances Exper Med and Biol 137 145-168 Wa
automation of enzyme immunoassay for serodiagnosis of infectious diseases in livestock, review, includes information on detection of T[richinella] spiralis antibody in swine

Immunity, Enzyme labelling
Sells PG; Burton M
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 461-468 Wa
Leishmania, identification of amastigotes and their antigens in formalin-fixed tissue by immunoperoxidase indirect sandwich method

Immunity, Enzyme labelling
Silayo RS; Gray AR; Luckins AG
1980 Trop Animal Health and Prod 12 (3) Aug 127-131 Wa
Trypanosoma brucei culture and bloodstream forms used as antigens for detection of bovine trypanosomiasis by micro enzyme-linked immunosorbent assays

Immunity, Enzyme labelling
Slemenda SB; Hitchings M; Maddison SE
1980 J Parasitol 66 (6) Dec 893-897 Issued May 6 1981 Wa
Schistosoma mansoni, S. haematobium, human, standardization of FIAX (fluoroimmunoassay) using crude cercarial and adult S. mansoni antigens, calibration using enzyme-linked immunosorbent assay performed with same antigens

Immunity, Enzyme labelling
Sorice F et al
1977 Ann Sclavo 19 (3) May-June 484-489 Wm
Entamoeba histolytica, humans, sensitivity of enzyme-linked immunosorbent assay in diagnosis evaluated

Immunity, Enzyme labelling
Sorice F et al
1979 Ann Sclavo 21 (6) Nov-Dec 800-815 Wm
Echinococcus granulosus, humans, diagnosis, radioallergosorbent (RAST) assay compared with ELISA, indirect haemagglutination, counterimmunoelectrophoresis, and with skin tests, findings suggest that RAST be used as adjunct to other test methods rather than be employed as the only diagnostic method

Immunity, Enzyme labelling
Speiser F
1980 Schweiz Med Wchnschr 110 (11) Mar 15 404-407 Wa
E[ntamoeba] histolytica, human, diagnosis, comparison of enzyme linked immunosorbent assay with indirect immunofluorescence antibody test and counter-immunoelectrophoresis

Immunity, Enzyme labelling
Speiser F
1980 Tropenmed u Parasitol 31 (4) Dec 459-466 Wa
filariasis, echinococcosis, human, serodiagnosis, enzyme-linked immunosorbent assay using Echinococcus granulosus hydatid fluid and Dipetalonema viteae as antigens, comparison with indirect fluorescent antibody test, indirect haemagglutination test, and counterimmunoelectrophoresis, ELISA was most sensitive but least specific method

Immunity, Enzyme labelling
Spencer HC et al
1980 Am J Trop Med and Hyg 29 (2) Mar 179-182 Wa
Trypanosoma cruzi, human, serodiagnosis, evaluation of micro enzyme-linked immunosorbent assay, comparison with complement fixation and indirect fluorescent antibody tests

Immunity, Enzyme labelling
Spencer HC et al
1981 Am J Trop Med and Hyg 30 (2) Mar 358-363 Wa
Brugia malayi- and B. pahangi-infected Meriones unguiculatus, antibody response to heterologous and homologous antigens as measured by enzyme-linked immunosorbent assay, effect of fractionation of B. malayi antigen on sensitivity and specificity of test

Immunity, Enzyme labelling
Spencer HC et al
1981 Am J Trop Med and Hyg 30 (4) July 747-750 Wa
Plasmodium falciparum, human, enzyme-linked immunosorbent assay, indirect fluorescent antibody test, age distribution of serologic responses, results indicate neither test is appropriate as diagnostic aid but both would be useful in epidemiologic investigations; some patients had concurrent P. vivax infection: El Salvador, Central America

Immunity, Enzyme labelling
Suzuki T; Damian RT
1981 Am J Trop Med and Hyg 30 (4) July 825-835 Wa
Schistosoma mansoni-infected Papio cynocephalus, development of antibodies to adult worm, egg, and cercarial antigens during acute and chronic infections, immunoglobulin classes, enzyme-linked immunosorbent assay, radioallergosorbent, indirect hemagglutination, circumoval precipitin, and slide flocculation tests

Immunity, Enzyme labelling
Tadros W; Hazelhoff W; Laarman JJ
1979 Acta Leidensia 47 53-63 Wa
Sarcocystis spp., detection of circulating antibodies in human and bovine sera by enzyme-linked immunosorbent assay technique, comparison with indirect fluorescent antibody technique

Immunity, Enzyme labelling
Tadros W; Hazelhoff W; Laarman JJ
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 125-126 Wa
toxoplasmic and sarcocystic tissue stage antigens, absence of cross reaction in enzyme-linked immunosorbent assay technique

Immunity, Enzyme labelling
Tandon A
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 574-575 Wa
Entamoeba histolytica, human, serodiagnosis, enzyme linked immunosorbent assay evaluated on patients with intestinal amoebiasis, amebic liver abscess, and non-specific hepatomegaly, comparison with indirect haemagglutination assay

Immunity, Enzyme labelling
Tandon A et al
1981 Indian J Med Research 73 Suppl Jan 93-96 Wa
human bancroftian filariasis, immunodiagnosis, ELISA test using Litomosoides carinii and Setaria cervi as antigens, promising results

Immunity, Enzyme labelling
Taylor SM et al
1980 Zentralbl Vet Med Reihe B 27 (9-10) 764-772 Wa
Trichinella spiralis, guinea pigs (exper.), elimination of false positive reactions in micro-enzyme linked immunosorbent assay by antigen fractionation and technical improvements

Immunity, Enzyme labelling
Thoen CO et al
1980 J Clin Microbiol 11 (5) May 499-502 Wm
Anaplasma marginale, cattle, diagnosis, enzyme-linked immunosorbent assay, comparison with card test and complement fixation test

Immunity, Enzyme labelling
Thomas V; Fabiyi A; Adeniyi A
1981 J Trop Med and Hyg 84 (3) June 113-116 Wa
parasitic diseases in Nigerian children, usefulness of indirect fluorescent antibody technique, ELISA also used for Schistosoma mansoni

Immunity, Enzyme labelling
Thomas V; Ogunba EO; Fabiyi A
1978 African J Med and Med Sc 7 (2) June 107-112 Wm
parasitic infections, humans, application of immunodiagnostic tests discussed in relation to conditions operating in developing countries where diagnostic facilities are often limited, immunofluorescence antibody test identified as the test that could be used universally with success, review

Immunity, Enzyme labelling
Tsang VCW; Tao Y; Maddison SE
1981 J Parasitol 67 (3) June 340-350 Wa
Schistosoma mansoni, urea-soluble egg antigens, systematic fractionation, evaluation of activities and cross-reactivities by single-tube kinetic-dependent enzyme-linked immunosorbent assay

Immunity, Enzyme labelling
Vervoort T; Magnus E; Van Meirvenne N
1978 Ann Soc Belge Med Trop 58 (3) Sept 177-183 Wa
Trypanosoma brucei gambiense, humans, diagnosis, enzyme-linked immunosorbent assay using variable antigen type of T. b. brucei, no cross-reactions with other parasitic infections

Immunity, Enzyme labelling
Voller A
1980 Internat J Nuclear Med and Biol 7 (2) 157-163 Wa
use of immunofluorescence, enzyme-immunoassay, and radioimmunoassay in parasitic diseases with special reference to malaria, review

Immunity, Enzyme labelling
Voller A et al
1980 Bull World Health Organ 58 (3) 429-438 Wa
Plasmodium falciparum, longitudinal study of 2 West African populations, antibody levels measured using the ELISA technique, values as reflected by population age, limitations of technique

Immunity, Enzyme labelling
Vullo V et al
1979 Ann Sclavo 21 (1) Jan-Feb 83-87 Wm
echinococcosis, humans, serological diagnosis, indirect immunoperoxidase method more specific than immunofluorescence

Immunity, Enzyme labelling
Vullo V et al
1979 Ric Clin e Lab 9 (2 suppl) 81-84 Wm
Entamoeba histolytica, humans, diagnosis, immunoperoxidase and indirect immunofluorescence tests

Immunity, Enzyme labelling
Vullo V et al
1980 Trop and Geogr Med 32 (1) Mar 19-21 Wa
Schistosoma haematobium, humans, diagnosis, indirect immunoperoxidase test, comparison with indirect immunofluorescence test: Somalia

Immunity, Enzyme labelling
Weil GJ; Ottesen EA; Powers KG
1981 Exper Parasitol 51 (1) Feb 80-86 Wa
Dirofilaria immitis, dogs (exper.), parasite-specific humoral (IgG (enzyme-linked immunosorbent assay) and IgE (passive cutaneous anaphylaxis) titers) and cellular (lymphocyte transformation) immune responses, results consistent with observations in other host-parasite systems which suggest that in chronic tissue helminth infections cellular responses to parasite antigens are depressed while antibody reactions to the same antigens are relatively preserved

Immunity, Enzyme labelling
Weiland G et al
1980 Berl u Munchen Tierarztl Wchnschr 93 (14) July 15 261-264 Wa
Babesia divergens, cattle (nat. and exper.), diagnosis, indirect immunofluorescence, enzyme-linked immunosorbent assay, indirect haemagglutination, and intradermal tests using antigens of B. divergens and/or B. rodhaini

Immunity, Enzyme labelling
Weiland G; Kratzer I
1979 Berl u Munchen Tierarztl Wchnschr 92 (20) Oct 15 398-400 Wa
Babesia canis, B. gibsoni, dogs (exper.), parasitaemia and antibody formation, indirect fluorescent antibody test and enzyme-linked immunosorbent assay using B. rodhaini antigens

Immunity, Enzyme labelling
Weiss N; Speiser F; Hussain R
1981 Acta Trop 38 (3) Sept 353-362 Wa
Onchocerca volvulus, human, detection of IgE antibodies with radioallergosorbent test using O. volvulus vs. Dipetalonema viteae as antigen, comparison with enzyme linked immunosorbent assay detecting IgG and IgM antibodies against same antigen preparations

Immunity, Enzyme labelling
Yan Z et al
1980 Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao (Acta Acad Med Sinicae) 2 (1) Mar 47-50 Wm
Schistosoma, patients, evaluation of praziquantel therapy using the enzyme linked immunosorbent assay: Jiaxing in Zhejiang Province

Immunity, Enzyme labelling
Young ER; Purnell RE
1980 Vet Rec 108 [i e 106] (3) Jan 19 60-61 Wa
Babesia divergens, calves (exper.), dried blood spot and serum compared as source of antibody for micro-enzyme-linked immunosorbent assay test

Immunity, Enzyme labelling
Zahner H et al
1981 Immun u Infekt 9 (1) Mar 33-39 Wm
enzyme-linked immunosorbent assay, simple method for mathematical calculation of results, Echinococcus in humans one of 3 systems tested

Immunity, Eosinophils See Eosinophils

Immunity, Fluorescent antibody See Immunofluorescence

Immunity, Gel diffusion See Immunity, Precipitation

Immunity, Hemagglutination See Immunity, Agglutination

Immunity, Hybridomas See Immunity, Monoclonal antibodies

Immunity, Hypersensitivity, Delayed See Immunity, Cell-mediated

Immunity, Hypersensitivity, Immediate See Immunity, Allergy

Immunity, Immobilization
Goven BA; Dawe DL; Gratzek JB
1981 Develop and Comp Immunol 5 (2) Spring 283-289 Wa
Ichthyophthirius multifiliis, Tetrahymena pyriformis, in vitro demonstration of serological cross-reactivity (immobilization test, indirect fluorescent antibody staining, passive hemagglutination), results indicate antigenic relationship

Immunity, Immobilization
Vottero-Cima E et al
1980 Medicina Buenos Aires 40 Suppl (1) 121-126 Wm
Trypanosoma cruzi, serum of infected patients, differences in variety and titer of antibodies studied using passive hemagglutination and epimastigote immobilization

Immunity, Immune complexes
Abramowsky CR et al
1981 Am J Path (470) 104 (1) July 1-12 Wa
Dirofilaria immitis-infected dogs (exper.), immunopathology of filarial nephropathy, probably of filaria-antibody immune-complex origin, possible role of diethylcarbamazine therapy

Immunity, Immune complexes
Adam C et al
1981 Infect and Immun 31 (2) Feb 530-535 Wa
Plasmodium falciparum, human, presence of circulating immune complexes, IgG-IgM cryoglobulinemia, and complement consumption is associated with cerebral malaria and very rarely with uncomplicated infection, intensity of immune response and of associated complement activation may be important factors in pathogenesis of cerebral malaria

Immunity, Immune complexes
Aikawa M et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 84-91 Wa
Dirofilaria immitis, dogs (exper.), glomerulonephropathy, possible immunopathogenic mechanisms (in situ formation of immune complexes in glomerular basement membrane)

Immunity, Immune complexes
Bocanegra TS et al
1981 Ann Int Med 94 (2) Feb 207-209 Wa
Strongyloides stercoralis, Taenia saginata, patients with arthritis, evidence of abnormal humoral immunity to parasites, immune complexes in serum and synovial fluid, and immunoglobulin deposits in synovia, anti-inflammatory agents were ineffective but specific antiparasitic treatment resulted in resolution of symptoms and immunologic abnormalities, findings suggest that arthritis induced by parasitic infestation may be mediated by immune complex formation in susceptible hosts

Immunity, Immune complexes
Bourdais A; Mayere JP; Klotz F
1980 Dakar Med 25 (3) 234-247 Wm
Plasmodium falciparum, humans, acute renal insufficiency with azotemia, clinical aspects, possible importance of circulating immune complexes in pathogenesis

Immunity, Immune complexes
Brito E et al
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 119-124 Wm
S[chistosoma] mansoni, patients with and without nephropathy, circulating immune complex levels correlated with type of glomerular lesions, and with glomerular deposits of immunoglobulin, $C_3$, and fibrin

Immunity, Immune complexes
Capron M et al
1980 Parasite Immunol 2 (3) Autumn 223-235 Wa
Schistosoma mansoni, humans (from Burundi and Brazil), Erythrocebus patas, inverse relationship between cytotoxic antibodies and circulating schistosome antigens, probable transfer of cytotoxic antibodies from mother to child through placenta, possible mechanisms for inhibitory role of circulating immune complexes on complement-dependent cytotoxic activity

Immunity, Immune complexes
Carlier Y et al
1980 Am J Trop Med and Hyg 29 (1) Jan 74-81 Wa
Schistosoma mansoni-infected African parturients, their uninfected newborn children, infected men, and infected non-pregnant women, evaluation of circulating soluble antigens (CSA) by sandwich radioimmunoassay, of circulating antibodies (CAb) by indirect hemagglutination, and of immune complexes (CIC) by C1q binding test, results indicate probable transplacental transfer of CSA from mother to fetus and possible modulation of CSA level by specific CAb and CIC formation

Immunity, Immune complexes
Carlier Y; Bout D; Capron A
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 534-538 Wa
Schistosoma mansoni-infected Mesocricetus auratus, detection of M antigen in circulating immune complexes and in kidneys, possible role in aetiology of glomerulonephritis

Immunity, Immune complexes
Casali P; Perrin LH; Lambert PH
1979 Immunol Aspects Infect Dis 295-342 Wa
immune complexes and tissue injury, review, includes section on parasitic diseases

Immunity, Immune complexes
Chaves J et al
1979 Rev Inst Med Trop S Paulo 21 (2) Mar-Apr 77-81 Wa
Trypanosoma cruzi-infected mice, identification of parasite antigens in circulating immune complexes

Immunity, Immune complexes
Contreras CE et al
1980 Clin and Exper Immunol 42 (3) Dec 403-411 Wa
Plasmodium berghei in 5 strains of mice, immunopathological aspects: course of infection, detection of soluble malarial antigens, serum-specific antibody levels, circulating immune complexes, serum C3 levels, infection of nude mice

Immunity, Immune complexes
Cook RM
1980 Vet Parasitol 7 (1) June 3-9 Wa
Trypanosoma brucei, soluble complexes of trypanosomes with untreated or heat-inactivated hyperimmune serum or mouse plasma and live trypanosomes treated with normal mouse plasma both resulted in significantly increased chemotactic responses of murine peritoneal exudate cells

**Immunity, Immune complexes**
**Corsini AC; Vilela MMS; Piedrabuena AE**
**1981 Tropenmed u Parasitol 32 (2) June 82-86 Wa**
**Trypanosoma cruzi, human, chronic Chagas' disease patients, serum levels of IgM, IgG, IgA, complement, number of circulating T and B lymphocytes, no evidence of immune complexes, unimpaired delayed type hypersensitivity reactions to various antigens, humoral suppression to typhoid vaccine**

Immunity, Immune complexes
Cottrell BJ; Sturrock RJ; Vanhoegaerden M
1980 Immunology 39 (4) Apr 589-598 Wa
Schistosoma mansoni-infected Papio anubis, reduced cell-mediated immunity, suggested that immunosuppressive factors in serum are immune complexes

**Immunity, Immune complexes**
**Crane GG**
**1979 Trop Dis Research Ser (1) 245-258 Wa**
**tropical splenomegaly syndrome, serology and relationship to malaria, review**

Immunity, Immune complexes
Deelder AM et al
1980 Exper Parasitol 50 (1) Aug 16-32 Wa
Schistosoma mansoni, 2 circulating polysaccharide antigens: characterization, immunological responses in mouse, hamster, and human infections, involvement in production of specific antibodies and in circulating antigen-antibody complexes, fate in body of host

**Immunity, Immune complexes**
**Demaree RS jr; Hillyer GV**
**1981 Am J Trop Med and Hyg 30 (2) Mar 402-405 Wa**
**Schistosoma mansoni, immunoperoxidase localization by electron microscopy of soluble egg antigen and human IgG in circumoval precipitin reactions around eggs**

**Immunity, Immune complexes**
**Desjeux P et al**
**1980 Am J Trop Med and Hyg 29 (2) Mar 195-198 Wa**
**cutaneous and mucocutaneous leishmaniasis, human, investigation of circulating immune complexes (CIC), anti-IgG, anti-DNA, and anti-collagen autoantibodies, data suggest association between development of espundia (Leishmania b. braziliensis) and appearance of CIC and anti-IgG antibodies**

Immunity, Immune complexes
Facer CA
1980 Clin and Exper Immunol 39 (2) Feb 279-288 Wm
Plasmodium falciparum, Gambian children, association between direct Coombs antiglobulin positivity and malaria, antigen specificity of erythrocyte-bound IgG, mechanism of erythrocyte sensitization, results add to and confirm major role of immune complex formation in immunopathology of falciparum malaria

Immunity, Immune complexes
Ganguly NK et al
1980 Indian J Med Research 71 Feb 213-216 Wa
Entamoeba histolytica, humans with hepatic abscesses, presence of amoebic antigen demonstrated by counter immunoelectrophoresis, possible role in formation of immune complexes

**Immunity, Immune complexes**
**Gasbarre LC; Finerty JF; Louis JA**
**1981 Parasite Immunol 3 (3) Autumn 273-282 Wm**
**Trypanosoma brucei brucei-infected CBA/N mice (strain with B cell deficiency) vs. conventional mice, survival and level of parasitaemia, non-specific immune responses (polyclonal B cell activation in spleens, circulating immune complexes, immunosuppression)**

**Immunity, Immune complexes**
**Goodger BV; Wright IG; Mahoney DF**
**1981 Austral J Exper Biol and Med Sc 59 (5) Oct 521-529 Wa**
**Babesia bovis, cattle, time of appearance and nature of immune complexes, complexes did not appear to have much pathological significance**

**Immunity, Immune complexes**
**Greenwood BM; Fakunle YM**
**1979 Trop Dis Research Ser (1) 229-244 Wa**
**tropical splenomegaly syndrome, diagnostic criteria, clinical features, treatment, pathogenesis (hypothesis involving abnormal immune response to malaria which results in excessive IgM production and formation of large molecular weight immune complexes), review**

Immunity, Immune complexes
Greenwood BM; Whittle HC
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 716-725 Wa
sleeping sickness, human, clinical features, laboratory abnormalities, pathological changes, speculations about pathogenesis with emphasis on immunopathology (immediate hypersensitivity, autoantibodies, immune complexes), hypothesis suggesting dominant role for B lymphocyte proliferation in pathogenesis, symposium presentation

Immunity, Immune complexes
Guerra-Caceres JG et al
1980 Parasite Immunol 2 (2) Summer 121-131 Wa
onchocerciasis, humans, mechanisms of adverse reactions produced by diethylcarbamazine (Mazzotti reaction), does not appear to require generation of circulating immune complexes or systemic complement activation but eosinophils may be involved

Immunity, Immune complexes
Hanna REB
1980 Exper Parasitol 50 (1) Aug 103-114 Wa
Fasciola hepatica, juvenile flukes acquired continuous layer of host IgG over surface during incubation with antiserum, but actively sloughed this layer and replaced the former glycocalyx when transferred to medium lacking antiserum; possible mechanism for protection against host immunity

**Immunity, Immune complexes**
**Hiatt RA et al**
**1980 J Infect Dis 142 (5) Nov 665-670 Wa**
**Schistosoma mansoni, patients with acute infections, serial observations of circulating immune complexes before and after niridazole therapy, these complexes may play role in pathogenesis of clinical syndrome of acute disease**

Immunity, Immune complexes
Hillyer GV; Rossy M
1980 Am J Trop Med and Hyg 29 (3) May 411-415
Wa
Schistosoma mansoni, mice, antibodies to DNA detected by enzyme-linked immunosorbent assay, suggestion that immune complexes are present in circulation by 9 and 11 weeks of infection

Immunity, Immune complexes
Houba V
1981 Developments Immunol 14 293-299 Wa
schistosomiasis, human, hypersensitivity reactions with special emphasis on their relation to clinical manifestations of this disease and to immunodiagnosis, brief review

Immunity, Immune complexes
June CH
1980 African J Clin and Exper Immunol 1 (1)
Jan 5-12 Wm
Plasmodium, humans, circulating immune complexes, review

Immunity, Immune complexes
Karavodin LM; Ash LR
1980 Clin and Exper Immunol 40 (2) May 312-317
Wa
Brugia pahangi-infected Meriones unguiculatus, circulating immune complexes

Immunity, Immune complexes
Karavodin LM; Ash LR
1981 Infect and Immun 34 (1) Oct 105-110 Wa
Brugia pahangi in Meriones unguiculatus, sequential determination of circulating immune complexes during 11 month infection

Immunity, Immune complexes
Koster FT et al
1981 J Clin and Lab Immunol 5 (3) May 153-157
Wa
amebic dysentery, human, occurrence of circulating immune complexes, role in mediating tissue injury difficult to assess

Immunity, Immune complexes
Lambert PH; Berney M; Kazyumba G
1981 J Clin Invest 67 (1) Jan 77-85 Wa
Trypanosoma brucei gambiense, humans, circulating immune complexes (IC) and C3, circulating IC in relation to polyclonal B cell activation, rheumatoid factor, and anti-trypanosome antibodies, IC in cerebrospinal fluid (CSF), origin of CSF immunoglobulins and CSF IC

Immunity, Immune complexes
Lee DL; Nixon PE; North ACT
1980 Proc Roy Soc London s B Biol Sc (1173) 208
July 17 409-414 Wa
Nematodirus battus, crystals found in intestine, electron microscope study of molecular structure, possible immunological significance (may be antibody-antigen complex)

Immunity, Immune complexes
Lindsley HB et al
1980 Am J Trop Med and Hyg 29 (3) May 348-357
Wa
Trypanosoma rhodesiense in 5 strains of inbred rats, variable severity of glomerulonephritis, correlation with immunoglobulin class-specific antibody responses to trypanosomal antigens and total IgM levels, circulating immune complexes

Immunity, Immune complexes
Lindsley HB et al
1981 Infect and Immun 33 (2) Aug 407-414 Wa
Trypanosoma rhodesiense, rabbits, detection and composition of immune complexes (trypanosomal antigens, IgG, IgM, C3), serum IgM and IgG antibodies to trypanosomes, total IgM and IgG

Immunity, Immune complexes
Mahajan RC; Ganguly NK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 300-302
Wa
Entamoeba histolytica, human, liver abscess, immunodiagnosis and prognosis, detection of amebic antigen in liver pus/biopsy specimens and serum by counter-immunoelectrophoresis, correlation between amebic antigen positivity and indirect haemagglutination seropositivity, possible role of amebic antigen in immune complex formation and pathogenesis

Immunity, Immune complexes
Musa AM; Saleh SY; Abu Asha H
1981 Ann Trop Med and Parasitol 75 (2) Apr
181-184 Wa
schistosomiasis mansoni, past or present infection in 5 Sudanese patients who developed transient nephritis during typhoid fever, typhoid infection may act as activator to already established immune complex glomerular disease caused by schistosomiasis

Immunity, Immune complexes
Narayanan K et al
1981 J Ass Physicians India 29 (2) Feb 169-172
Wm
Leishmania donovani, human, humoral and cell-mediated responses of 3 cases showed disturbances of T-cells, subpopulations of T-cells, and evidence of circulating immune complexes of nonpathogenic nature

Immunity, Immune complexes
Nydegger UE; Davis JS IV
1980 CRC Crit Rev Clin Lab Sc 12 (2) July
123-170 Wa
soluble immune complexes in human disease, extensive review, includes information on malaria, trypanosomiasis, leishmaniasis, and schistosomiasis

Immunity, Immune complexes
Onyemelukwe GC; Onyewotu II
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 613-614
Wa
amoebic liver abscess, onchocerciasis, human, serum anticomplementary screening for immune complexes

Immunity, Immune complexes
Paganelli R; Ngu JL; Levinsky RJ
1980 Clin and Exper Immunol 39 (3) Mar 570-575
Wm
Onchocerca volvulus, patients with both localized and generalized infections, circulating immune complexes

Immunity, Immune complexes
Pappas MG et al
1981 J Clin Invest 67 (1) Jan 183-192 Wa
Plasmodium berghei, mice, complement-mediated defect in clearance and sequestration of sensitized autologous erythrocytes, association of hypocomplementemia with major splenic defect in clearance late in malaria infection may explain accumulation of immune complexes in pathological sites

Immunity, Immune complexes
Poltera AA et al
1980 Clin and Exper Immunol 40 (3) June 496-507 Wa
Trypanosoma brucei brucei, successful induction of cerebral trypanosomiasis in ordinary laboratory mice, parasitaemia and serology, histopathology, immunohistology, electronmicroscopic studies, evolution of brain lesions after ethidium bromide treatment

Immunity, Immune complexes
Poltera AA; Hochmann A; Lambert PH
1980 Am J Path (456) 99 (2) May 325-351 Wa
Trypanosoma brucei brucei-infected mice as model for study of pancarditis, findings suggest that immune mechanisms may be involved in pathogenesis, offers suitable model for evaluation of efficacy of trypanocidal drugs

Immunity, Immune complexes
Poltera AA; Hochmann A; Lambert PH
1981 Clin and Exper Immunol 46 (2) Nov 363-374 W[illegible]
Trypanosoma brucei brucei, mice with cerebral trypanosomiasis, response to melarsoprol, melarsoprol + chloroquine, or benznidazole, immunopathological study

Immunity, Immune complexes
Rickman WJ; Cox HW
1980 J Parasitol 66 (1) Feb 28-33 Wa
Trypanosoma brucei rhodesiense, rats, anemia, thrombocytopenia, and coagulopathy, association with antibodies against fibrinogen/fibrin-related products (anti-F), immunoconglutinin, soluble immune complexes (of anti-F and fibrinogen/fibrin-related products), and lytic complement consumption

Immunity, Immune complexes
Rickman WJ; Cox HW; Thoongsuwan S
1981 J Parasitol 67 (2) Apr 159-163 Wa
Trypanosoma brucei rhodesiense, rats, interactions of immunoconglutinin and immune complexes in cold autohemagglutination

Immunity, Immune complexes
Riera NE et al
1980 Medicina Buenos Aires 40 (2) Mar-Apr 125-132 Wm
T[rypanosoma] cruzi, chronic infections, immune complexes detected infrequently but alterations in complement system are detected in a relatively high number of patients

Immunity, Immune complexes
Rocklin RE et al
1980 J Immunol 125 (5) Nov 1916-1923 Wm
Schistosoma mansoni, Kenyan children, cell-mediated (CMI) and humoral immune responses, results imply that several factors affect CMI response during course of infection including factors present in serum (possibly antigen-antibody complexes) and presence of antigen-specific suppressor cells

Immunity, Immune complexes
Sampaio-Silva ML; Santoro F; Capron A
1981 Acta Trop 38 (1) Mar 39-44 Wa
Fasciola hepatica, humans, circulating immune complexes, relationship to parasite egg output and to clinical form of patients (asymptomatic, symptomatic, or acute), possible involvement in pathogenesis of acute hepatic fascioliasis

Immunity, Immune complexes
Sanchez Ibarrola A et al
1981 Am J Med 70 (2) Feb 311-315 Wa
Echinococcus granulosus, woman with hepatic hydatid cyst and nephrotic syndrome, renal biopsy tissue studied by light and electron microscopy and by immunofluorescence, documentation of role of hydatid antigen in the pathogenesis of glomerulonephritis

Immunity, Immune complexes
Santoro F et al
1980 Clin and Exper Immunol 42 (2) Nov 219-225 Wa
Schistosoma mansoni, human, circulating antigens, circulating immune complexes, and C3d levels, relationship with schistosome egg output

Immunity, Immune complexes
Santoro F et al
1981 Am J Trop Med and Hyg 30 (5) Sept 1020-1025 Wa
Schistosoma mansoni, human, correlation between circulating antigens detected by radioimmunoprecipitation-polyethylene glycol assay and C1q-binding immune complexes

Immunity, Immune complexes
Sitprija V et al
1980 Arch Int Med Chicago 140 (4) Apr 544-546 Wa
Trichinella spiralis-infected patients, renal clinicopathologic study, detection of circulating immune complexes and glomerular deposition of C3 and immunoglobulins: northern Thailand

Immunity, Immune complexes
Targett GA
1981 Developments Immunol 14 301-309 Wa
malaria infection, human, immunological and allergological aspects especially in relation to pathogenesis and pathology, review

Immunity, Immune complexes
Theofilopoulos AN
1980 Progr Clin Immunol 4 63-106 Wm
evaluation and clinical significance of circulating immune complexes, review, includes some brief information on parasitic diseases

Immunity, Immune complexes
Van Marck EAE et al
1981 Am J Trop Med and Hyg 30 (4) July 780-789 Wa
Trypanosoma gambiense, mice, rats, chronic experimental infections, renal disease, light and electron microscopy, immunofluorescence (deposits of complement and immunoglobulins but no trypanosomal antigen detected), specific antibodies in kidney eluates, circulating immune complexes, appears to be suitable model

Immunity, Immune complexes
Van Marck EAE; Deelder AM; Gigase PLJ
1981 Exper Parasitol 52 (1) Aug 62-68 Wa
Schistosoma mansoni, mice with unisexual infections, circulating anodic antigen detected in glomeruli accompanied by deposits of immunoglobulin and complement, probably represents antigen part of immune complexes, circulating anodic antigen appears to be major candidate among antigens involved in schistosomal glomerulopathy

Immunity, Immune complexes
Van Marck EAE; Vervoort T
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 666-667 Wa
Trypanosoma brucei brucei, mice vaccinated with purified variable antigen, detection of immunoglobulins, C3 fraction of complement, and trypanosome antigen in glomeruli, trypanosomal antigen is most probably deposited in immune complex form

**Immunity, Immune complexes**
**Vialtel P et al**
**1981 N England J Med 304 (10) Mar 5 610-611 Wa**
**Echinococcus granulosus, woman, membranous nephropathy associated with hydatid disease in which parasitic antigen and corresponding antibody were found in glomeruli: France, from North Africa**

Immunity, Immune complexes
Waugh DA; Alexander JH; Ibels LS
1980 Austral and N Zealand J Med 10 (5) Oct 559-562 Wm
filariasis, humans with chyluria and associated glomerulonephritis, clinical report, evidence to suggest that glomerulonephritis may be an immune complex type

Immunity, Immune complexes
Whittle H; Greenwood BM; Mohammed I
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 833-834 Wa
Gambian sleeping sickness, raised levels of immune complexes in sera of patients, difficult to interpret complexes as major cause of damage

Immunity, Innate See Immunity, Native

Immunity, Intradermal tests See Immunity, Skin tests

Immunity, Leucocyte migration inhibition test See Immunity, Macrophage migration test

Immunity, Lymphocyte transformation See Lymphocytes

**Immunity, Lysis**
**Gonzalez Cappa SM et al**
**[1981] J Protozool 27 (4) Nov 1980 467-471**
**Issued Mar 11 Wa**
**Trypanosoma cruzi, mice immunized with whole homogenate or flagellar fraction, relation of humoral antibody response to protection evaluated by direct agglutination and indirect fluorescent antibody test as well as by lytic and neutralizing activity against blood trypomastigotes, histopathology**

Immunity, Lysis
Onaga H; Ishii T
1980 Japan J Vet Sc 42 (2) Apr 211-219 Wa
Eimeria tenella, enhancing effects of chicken anti-E. tenella serum on phagocytosis of sporozoites and merozoites by chicken peritoneal macrophages; relationship between antibodies and complement and fate of parasites ingested by macrophages

Immunity, Lysis
Sanderson CJ; Thomas JA; Twomey CE
1980 Parasitology 80 (1) Feb 153-162 Wa
Trypanosoma cruzi, growth in human diploid cell lines for production of trypomastigotes, labelled trypomastigotes obtained by incorporating [$^3$H]uridine in culture medium, release of label provides assay for parasite death, applications of this assay for testing drug toxicity and in immunological lysis

Immunity, Macrophage inhibition test See Immunity, Macrophage migration test

Immunity, Macrophage migration test
Aikat BK et al
1979 Indian J Med Research 70 Oct 583-591 Wa
kala-azar, humans, immunological responses: Bihar

**Immunity, Macrophage migration test**
**Banerjee DP et al**
**1981 Tropenmed u Parsitol 32 (2) June 105-108 Wa**
**Anaplasma marginale, cattle, vaccinated infected and non-vaccinated infected (carrier) animals, cell-mediated immune response assessed in vivo by intradermic skin test and in vitro by leucocyte migration inhibition test, killed vaccine yielded encouraging results**

Immunity, Macrophage migration test
Carson CA; Kakoma I; Ristic M
1980 Comp Immunol Microbiol and Infect Dis 3 (3) 277-281 Wa
Anaplasma marginale, cattle, use of peripheral blood leukocytes in study of cell-mediated immunity, review: leukocyte migration inhibition test; blastogenesis test; cytotoxicity test

Immunity, Macrophage migration test
Chensue SW; Boros DL; David CS
1980 J Exper Med 151 (6) June 1 1398-1412 Wa
Schistosoma mansoni, mice, regulation of granulomatous inflammation, in vitro characterization of T lymphocyte subsets involved in production and suppression of migration inhibition factor

Immunity, Macrophage migration test
Cursons RTM; et al
1980 Infect and Immun 29 (2) Aug 408-410 Wa
Naegleria spp., sensitized guinea pigs, cross-reactivity of homologous and heterologous antigens as judged by delayed hypersensitivity skin test and macrophage inhibition test, possible role of cell-mediated immunity in defense against pathogenic free-living amoebae

Immunity, Macrophage migration test
Helmy-Khalil S jr et al
1979 Tropenmed u Parasitol 30 (4) Dec 426-428 Wa
S[chistosoma] mansoni, human, hepato-splenic disease vs. simple intestinal infection, cell mediated immune (CMI) responses assessed using delayed intradermal and migration inhibition tests with soluble egg antigens, findings suggest relationship between CMI responsiveness and clinicopathological manifestations

Immunity, Macrophage migration test
Jain P; Sawhney S; Vinayak VK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 347-350 Wa
Entamoeba histolytica, guinea pigs immunized with low grade infection, protection against subsequent challenge, humoral (indirect haemagglutination and countercurrentimmunoelectrophoresis tests) and cell-mediated (macrophage migration inhibition test) immune responses in immunized and unimmunized animals

Immunity, Macrophage migration test
James SL; Sher A
1980 J Immunol 124 (4) Apr 1837-1844 Wm
Schistosoma mansoni, immune mechanisms that stimulate mouse leukocyte (eosinophil, neutrophil, macrophage) migration in response to schistosomula

Immunity, Macrophage migration test
Ngu JL
1978 Acta Trop 35 (3) Sept 269-279 Wa
Onchocerca volvulus, patients with generalized type vs. localized reactive type disease, skin testing, leucocyte migration inhibition test, enzyme linked immunosorbent assay

Immunity, Macrophage migration test
Onaga H; Ishii T
1980 Japan J Vet Sc 42 (3) June 345-351 Wa
Eimeria tenella, chickens (exper.), direct and indirect leukocyte migration inhibition tests

Immunity, Macrophage migration test
Peralta JM et al
1981 Clin and Exper Immunol 45 (3) Sept 621-626 Wa
Trypanosoma cruzi-infected asymptomatic humans, leucocyte migration inhibition response to tissue antigens, correlation with tissue-reacting antibodies

Immunity, Macrophage migration test
Petavy AF; Vernes A; Biguet J
1980 Avian Path 9 (2) 171-178 Wa
Syngamus trachea, turkeys and chickens (exper.), kinetic in vitro study of cell mediated immunity using indirect test based on inhibition of macrophage spreading

Immunity, Macrophage migration test
Petchclai B; Koonakosit R; Akarawong K
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 55-57 Wa
Entamoeba histolytica, humans with hepatic abscesses, leucocyte migration test demonstrates cell-mediated immune response, some evidence of immunosuppression

Immunity, Macrophage migration test
Przyjalkowski Z; Schollenberger A; Frymus T
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 81-85 Wa
Trichinella spiralis-infected germfree and conventional mice, macrophage migration inhibition test

Immunity, Macrophage migration test
Rehbein G et al
1981 Tropenmed u Parasitol 32 (3) Sept 154-156 Wa
Theileria annulata, production of macrophage migration inhibition factor by sensitized lymphocytes from infected calves, results indicate occurrence of sensitized lymphocytes as effector cells of cell-mediated immunity to T. annulata infection

Immunity, Macrophage migration test
Rurangirwa FR et al
1980 Tropenmed u Parasitol 31 (1) Mar 105-110 Wa
Trypanosoma congolense-infected Bos indicus (exper.), reduced primary immune response to Leptospira biflexa immunization, secondary response (after berenil cure and re-immunization) suggested presence of intact memory cell population and was lower than (but not significantly different from) that of controls; effect of post infection serum on in vitro thymidine uptake by lymphocytes and on leucocyte migration

Immunity, Macrophage migration test
Sher A; Ahmad S; Muller-Berat CN
1980 Arch Invest Med 11 (2) 201-213 Wm
Entamoeba histolytica antigen-sensitized peritoneal exudate cells from guinea pigs were employed in capillary tube and agarose plate tests to confirm presence of cell-mediated immune responses, findings suggest that migration inhibitory factor is released as a correlate of cell-mediated immunity

Immunity, Macrophage migration test
Shivananda PG et al
1981 Indian J Med Research 73 Suppl Jan 107-110 Wa
hydatidosis, humans, diagnosis, leucocyte migration inhibition test appears more reliable and to have more prognostic significance than does Casoni's skin test

Immunity, Macrophage migration test
Vinayak VK et al
1980 Trop and Geogr Med 32 (4) Dec 298-302 Wa
Entamoeba histolytica, patients with amoebic colitis or hepatic abscess, cell-mediated immune response (CMIR) and humoral antibody response studied using various serologic tests, no clear-cut correlations between CMIR and humoral antibody response were found but CMIR appears to be altered in amoebic patients during acute illness

Immunity, Monoclonal antibodies
Aikawa M et al
1981 J Protozool 28 (3) Aug 383-388 Wa
Plasmodium gallinaceum, interaction of monoclonal antibodies with gametes, electron microscopic study

Immunity, Monoclonal antibodies
Araujo FG; Handman E; Remington JS
1980 Infect and Immun 30 (1) Oct 12-16 Wa
Toxoplasma gondii, monoclonal antibodies can be used in enzyme-linked immunosorbent assay to detect parasite antigens in serum and other body fluids but polyvalent antibody appears to be more satisfactory for this purpose

Immunity, Monoclonal antibodies
Cox FEG
1980 Nature London (5754) 284 Mar 27 304-305 Wm
monoclonal antibodies and immunity to malaria, brief review

Immunity, Monoclonal antibodies
Craig PS et al
1980 Austral J Exper Biol and Med Sc 58 (4) Aug 339-350 Wa
larval taeniid cestode infections, sheep, attempts to produce hybridoma-based immunodiagnostic reagents

Immunity, Monoclonal antibodies
Craig PS et al
1981 Parasitology 83 (2) Oct 303-317 Wa
Echinococcus granulosus, sheep, murine hybridoma-derived antibodies in processing of antigens for immunodiagnosis

Immunity, Monoclonal antibodies
Cruise KM et al
1981 Austral J Exper Biol and Med Sc 59 (4) Aug 503-514 Wa
Schistosoma japonicum, murine hybridoma-derived antibodies producing circumoval precipitation reactions with eggs

Immunity, Monoclonal antibodies
Epstein N et al
1981 J Immunol 127 (1) July 212-217 Wm
Plasmodium knowlesi, monoclonal antibodies against specific surface determinant on merozoites block erythrocyte invasion

Immunity, Monoclonal antibodies
Freeman RR; Trejdosiewicz AJ; Cross GAM
1980 Nature London (5754) 284 Mar 27 366-368 Wm
Plasmodium yoelii, monoclonal antibodies recognizing stage-specific merozoite antigens were protective in passive transfer experiments

Immunity, Monoclonal antibodies
Handman E; Goding JW; Remington JS
1980 J Immunol 124 (6) June 2578-2583 Wm
Toxoplasma gondii, detection and characterization of membrane antigens

Immunity, Monoclonal antibodies
Handman E; Remington JS
1980 Immunology 40 (4) Aug 579-588 Wa
Toxoplasma gondii, serological and immunochemical characterization of monoclonal antibodies against membrane or cytoplasmic antigens of tachyzoites

Immunity, Monoclonal antibodies
Hauser WE jr; Remington JS
1981 Infect and Immun 32 (2) May 637-640 Wa
Toxoplasma gondii, monoclonal antibodies enhance phagocytosis and killing of tachyzoites by normal mouse peritoneal macrophages

Immunity, Monoclonal antibodies
Hillyer GV; Pelley RP
1980 Am J Trop Med and Hyg 29 (4) July 582-585 Wa
Schistosoma mansoni, monoclonal hybridoma antibody to major serological egg antigen (anti-MSA$_1$) reacted with schistosome eggs forming circumoval precipitate, precipitate was seen when anti-MSA$_1$ was incubated with S. mansoni, S. haematobium, and S. japonicum eggs

Immunity, Monoclonal antibodies
Hudson L
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 493-498 Wa
Trypanosoma cruzi, modelling the host and the parasite (in vivo and in vitro studies), immune response (immunity to infection, immunity and pathogenesis, immunization and immunoprophylaxis), monoclonal antibodies as immunological tools, review

Immunity, Monoclonal antibodies
Johnson AM et al
1981 Austral J Exper Biol and Med Sc 59 (3) June 303-306 Wa
Toxoplasma gondii, hybridomas secreting monoclonal antibody, immunoglobulin subclasses (IgG1, IgG2a, IgG3) and reactivity in indirect haemagglutination antibody test and indirect immunofluorescence antibody test

Immunity, Monoclonal antibodies
Kim KJ et al
1980 J Immunol 125 (6) Dec 2565-2569 Wm
Plasmodium yoelii, mice, solid-phase radioimmunoassay (SPRIA) to detect antibodies against parasite antigen, intact-RBC radioimmunoassay to detect antibodies against newly expressed antigen(s) or parasitic antigen(s) expressed on RBC from infected mice, screening for hybridomas that produce antibodies to parasite antigen using SPRIA

Immunity, Monoclonal antibodies
Lyon JA et al
1981 J Immunol 126 (1) Jan 134-137 Wm
Trypanosoma rhodesiense, use of monoclonal antibodies to probe molecular basis for charge heterogeneity in variant-specific surface coat glycoprotein

Immunity, Monoclonal antibodies
McMahon Pratt D; David JR
1981 Nature London (5816) 291 June 18-24 581-583 Wa
Leishmania braziliensis, L. mexicana, production of monoclonal antibodies specific for these 2 species, assayed for cross-reactivity with Leishmania spp. and Trypanosoma cruzi, should be useful in taxonomic identification of different species of New World leishmaniae as well as for direct diagnosis of leishmaniasis

Immunity, Monoclonal antibodies
Mitchell GF et al
1981 Proc National Acad Sc 78 (5) May 3165-3169 Wa
Schistosoma japonicum, hybridoma-derived antibody with immunodiagnostic potential, results of radioimmunoassay with Philippine sera

Immunity, Monoclonal antibodies
Naot Y; Remington JS
1981 J Immunol Methods 43 (3) June 30 333-341 Wm
Toxoplasma gondii, use of enzyme-linked immunosorbent assays (IgM and IgG sandwich ELISA and IgM and IgG double sandwich ELISA) for detection of monoclonal antibodies to various T. gondii antigens

Immunity, Monoclonal antibodies
Pearson TW et al
1980 J Immunol Methods 34 (2) May 27 141-154 Wm
T[rypanosoma] brucei, Theileria parva parva, methods for derivation and detection of antiparasite monoclonal antibodies

Immunity, Monoclonal antibodies
Pearson TW et al
1981 J Immunol 126 (3) Mar 823-828 Wm
Trypanosoma brucei, variable surface antigens, studies using two-dimensional gel electrophoresis and monoclonal antibodies, possible explanation for role of variable antigens in pathogenesis of African trypanosomiasis

Immunity, Monoclonal antibodies
Perrin LH et al
1980 Clin and Exper Immunol 41 (1) July 91-96
Plasmodium falciparum, characterization of defined antigens by monoclonal antibodies, indirect immunofluorescence can be used to check specificity of hybrid products in this system

Immunity, Monoclonal antibodies
Perrin LH et al
1981 Nature London (5795) 289 Jan 22 301-303 Wa
Plasmodium falciparum, inhibition of growth in human erythrocytes in vitro by monoclonal antibodies

Immunity, Monoclonal antibodies
Pinder M; Hewett RS
1980 J Immunol 124 (2) Feb 1000-1001 Wm
Theileria parva parva, T. p. lawrencei, monoclonal antibodies detect antigenic diversity between strains

Immunity, Monoclonal antibodies
Potocnjak P et al
1980 J Exper Med 151 (6) June 1 1504-1513 Wa
Plasmodium berghei, monoclonal antibodies to sporozoite surface antigen and monovalent fragments of this antibody, effects on sporozoites in vitro (neutralizing assay; circumsporozoite precipitation reaction), protective effects in vivo (mice)

Immunity, Monoclonal antibodies
Rener J et al
1980 Proc National Acad Sc Biol Sc 77 (11) Nov 6797-6799 Wa
Plasmodium gallinaceum, 2 anti-gamete monoclonal antibodies synergistically block transmission of malaria by preventing fertilization in Aedes aegypti

Immunity, Monoclonal antibodies
Scientific Working Group on the Immunology of Malaria
1981 Bull World Health Organ 59 (3) 371-381 Wa
Plasmodium spp., antigenic structure and related aspects of biology (production of monoclonal antibodies, cultivation techniques, antigen production for vaccine development and immunodiagnosis), review of current situation

Immunity, Monoclonal antibodies
Sethi KK; Brandis H
1981 Ann Immunol 132C (1) Jan-Feb 29-41 Wa
Toxoplasma gondii, in vitro immunization of mouse spleen cells, isolation and cloning of hybridomas producing monoclonal antibodies following fusion of in vitro-immunized spleen cells with mouse myeloma cells, characterization of Ig class of antibody produced by hybridomas, reactivities of monoclonal antibodies in different serological assays

Immunity, Monoclonal antibodies
Sethi KK; Endo T; Brandis H
1980 J Parasitol 66 (2) Apr 192-196 Wa
Toxoplasma gondii, hybridomas secreting monoclonal antibody with specificity for Toxoplasma

Immunity, Monoclonal antibodies
Sethi KK; Endo T; Brandis H
1981 Immunol Letters 2 (5-6) Mar 343-346 Wa
Toxoplasma gondii trophozoites precoated with specific monoclonal antibodies cannot survive within normal (non-immune) murine macrophages

Immunity, Monoclonal antibodies
Snary D et al
1981 Molec and Biochem Parasitol 3 (6) Oct 343-356 Wa
Trypanosoma cruzi, cell surface antigens, use of monoclonal antibodies to identify and isolate epimastigote-specific glycoprotein

Immunity, Monoclonal antibodies
Taylor DW et al
1981 Infect and Immun 32 (2) May 563-570 Wa
Plasmodium yoelii, monoclonal antibodies to stage-specific, species-specific, and cross-reactive (with Plasmodium spp. and Babesia microti, but not Toxoplasma gondii) antigens, specificity and location of plasmodial antigens determined by indirect fluorescent antibody analysis

Immunity, Monoclonal antibodies
Yoshida N et al
1980 Science (4426) 207 Jan 4 71-73 Wa
Plasmodium berghei, hybridoma cells produce protective antibodies against sporozoite stage

Immunity, Native
Albright JW; Albright JF
1981 Infect and Immun 33 (2) Aug 355-363 Wa
Trypanosoma lewisi, basis of host specificity investigated in various mouse strains and in vitro, some parallel experiments with T. musculi, results suggest that principal mechanism responsible for murine resistance to heterologous trypanosomes is type of antibody-dependent granulocyte-mediated immunity involving naturally occurring antibody and probably platelets

Immunity, Native
Attallah AM et al
1980 Internat Arch Allergy and Applied Immunol 63 (3) 351-354 Wa
Schistosoma mansoni, mice, natural killer cells and antibody-dependent cell-mediated components of infection

Immunity, Native
Bienzle U; Guggenmoos-Holzmann I
1979 Immun u Infekt 7 (6) Dec 196-201 Wm
malaria, significance of hereditary red cell traits HbS and G6PD-deficiency in innate resistance

Immunity, Native
Bloom BR; Tanowitz H; Wittner M
1979 Immune Mech and Dis 69-100 Wm; Wa
mechanisms for escape of immune surveillance by parasites, review (old-time genetic engineering; antigenic variation; antigenic mimicry and concomitant immunity; learning to live in your macrophages; jamming the immune response; subversion of the immune system)

Immunity, Native
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunity, Native
Eugui EM; Allison AC
1980 Parasite Immunol 2 (4) Winter 277-292 Wa
Plasmodium chabaudi, Babesia microti, mice, striking differences in susceptibility to infection among different host strains, these differences do not seem to be related to H-2 constitution but may be correlated with natural killer cell activity in spleen

Immunity, Native
Howard JG; Hale C; Chan-Liew WL
1980 Parasite Immunol 2 (4) Winter 303-314 Wa
Leishmania tropica major, immunogenetic aspects of susceptibility to infection in different strains of mice

Immunity, Native
Irvin AD et al
1981 Internat J Parasitol 11 (3) June 251-255 Wa
Babesia rodhaini and B. microti infections in intact, surgically splenectomised, and congenitally asplenic (Dh/+) mice, differences in susceptibility, Dh/+ mice could prove of value in study of natural killer cell activity; male mice were more susceptible than females

Immunity, Native
Landolfo S; et al
1980 J Immunol 124 (2) Feb 508-514 Wm
Trichomonas vaginalis, natural cell-mediated cytotoxicity against this parasite in the mouse, tissue, host strain, and host age distribution, some characteristics of effector cells

Immunity, Native
Pearson RD; Steigbigel RT
1980 J Immunol 125 (5) Nov 2195-2201 Wm
Leishmania donovani, lethal effect of nonimmune human serum occurred by activation of complement membrane attack complex predominantly through classical pathway with binding of both IgG and IgM to promastigotes

Immunity, Native
Tubaro E et al
1980 Biochem Pharmacol 29 (13) July 1 1945-1948 Wm
Plasmodium berghei-infected mice, xanthine oxidase increase in polymorphonuclear leucocytes and macrophages, possible nonspecific natural defense mechanism

Immunity, Native
Wehnert SD; Woo PTK
1980 J Wildlife Dis 16 (2) Apr 183-187 Wa
Trypanoplasma salmositica, in vivo (experimental infections) and in vitro (plasma incubation technique, lytic ability of plasma from refractory fishes) studies on host specificity, alternate pathway of complement activation suggested as possible mechanism for providing innate immunity to parasite

Immunity, Passive
Adams DB; Merritt GC; Cripps AW
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 167-177 Wa
Trichostrongylus colubriformis, immune sheep undergoing challenge infection, intestinal lymph and local antibody and immunoglobulin response, failure to transfer passive protection with either immune serum or immune intestinal lymph

Immunity, Passive
Adams DB; Rothwell TLW
1980 Cellular Immunol 55 (1) Sept 15 1-11 Wa
Trichostrongylus colubriformis, guinea pigs, adoptive transfer of protective immunity, results suggest that both recirculating lymphocytes and sessile elements in lymph nodes are concerned with immunological memory for the parasite

Immunity, Passive
Alexander J; Phillips RS
1980 Exper Parasitol 49 (1) Feb 34-40 Wa
Leishmania mexicana, L. tropica major, mice, adoptive transfer of immunity

Immunity, Passive
Allan D et al
1981 Parasite Immunol 3 (2) Summer 137-142 Wa
Echinococcus granulosus equinus, BALB/c mice infected either by protoscolices or cyst-passage exhibit non-specific suppression that is capable of causing marked and significant suppression to sheep erythrocytes when their mesenteric lymph node cells are adoptively transferred but there is a significant decrease in numbers of Thy-1 cells in these MLNC transplants, possible function of Ly-2,3$^+$ cells not only as suppressor but as alloreactive cytotoxic cells discussed as possible autoimmune explanation for longevity of parasite within mouse model

Immunity, Passive
Behnke JM; Parish HA
1981 Parasite Immunol 3 (3) Autumn 249-259 Wm
Nematospiroides dubius, mice, passive transfer of immunity with immune serum (IS) or immune mesenteric lymph node cells (IMLNC), greater protection in mice which received both IS + IMLNC

Immunity, Passive
Bell RG; McGregor DD
1980 Infect and Immun 29 (1) July 186-193 Wa
Trichinella spiralis, parabiotic rats used to demonstrate requirement for 2 discrete stimuli for induction of intestinal rapid expulsion response: immunologically specific systemic component (induced by preadults); nonspecific local intestinal component (induced by adult trichinae or by Heligmosomoides polygyrus)

Immunity, Passive
Biggar RJ; Collins WE; Campbell CC
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 720-724 Wa
malaria, infants, frequency of transplacental malarial antibodies, their duration and protectiveness, clinical and serological response to primary infection, indirect immunofluorescent technique using antigens of Plasmodium falciparum, P. ovale, and P. malariae: Accra, Ghana

Immunity, Passive
Breniere S; Viens P
1980 Canad J Microbiol 26 (9) Sept 1090-1095 Wa
Trypanosoma musculi, pattern of infection and antibody production in baby mice, transfer of immunity from mother mice to litter through milk, specific antibody classes involved

Immunity, Passive
Brown KN; Hills LA
1979 Bull World Health Organ 57 suppl 1 135-138 Wa
Plasmodium berghei, rats rendered anemic by phenylhydrazine treatment at time of immunization showed significantly greater protection than rats given antigen alone or phenylhydrazine alone, this enhanced response could be adoptively transferred with spleen cells, possibility that autoimmune responses to modified red cell antigens might be involved in protective immunity to malaria

Immunity, Passive
Brown KN; Hills LA
1981 Tropenmed u Parasitol 32 (2) June 67-72 Wa
Plasmodium berghei, protective immunity in mice and rats is significantly enhanced by phenylhydrazine treatment, this effect generates memory, can be transferred with spleen cells, and can have both enhancing and suppressive action on protective immune response in recipients, implications for role of erythrocyte destruction in protective immunity to malaria

Immunity, Passive
Cacciapuoti B et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31, 121-128 Wa
Toxoplasma, prevalence of infection in mothers in labor and their newborn babies vs. prevalence of antitoxoplasma antibodies (indirect immunofluorescence and modified complement fixation tests) in the same pairs, hypothesis of long-lasting passive congenital immunity to Toxoplasma infection: Bergamo, Italy

Immunity, Passive
Campbell CC; Martinez JM; Collins WE
1980 Am J Trop Med and Hyg 29 (2) Mar 151-157 Wa
Plasmodium falciparum, P. vivax, longitudinal study of 113 women and their newborns to estimate malaria incidence and indirect fluorescent antibody response to infection, depressed IFA response to P. falciparum in 3rd trimester of pregnancy, limited transplacental immunization of newborns, appears that passive immunity can exert little effect on incidence of infant malaria: coastal El Salvador

Immunity, Passive
Capron M et al
1980 Parasite Immunol 2 (3) Autumn 223-235 Wa
Schistosoma mansoni, humans (from Burundi and Brazil), Erythrocebus patas, inverse relationship between cytotoxic antibodies and circulating schistosome antigens, probable transfer of cytotoxic antibodies from mother to child through placenta, possible mechanisms for inhibitory role of circulating immune complexes on complement-dependent cytotoxic activity

Immunity, Passive
Carlier Y et al
1980 Am J Trop Med and Hyg 29 (1) Jan 74-81 Wa
Schistosoma mansoni-infected African parturients, their uninfected newborn children, infected men, and infected non-pregnant women, evaluation of circulating soluble antigens (CSA) by sandwich radioimmunoassay, of circulating antibodies (CAb) by indirect hemagglutination, and of immune complexes (CIC) by Clq binding test, results indicate probable transplacental transfer of CSA from mother to fetus and possible modulation of CSA level by specific CAb and CIC formation

Immunity, Passive
Charmot G
1980 Med Trop 40 (6) Nov-Dec 657-665 Wm
P[lasmodium] falciparum, humans, congenital and genetic factors of resistance to infection in tropical areas, general review: Africa

Immunity, Passive
Dawkins HJS; Grove DI
1981 Immunology 43 (2) June 317-322 Wa
Strongyloides ratti, mice, transfer of resistance to infection with serum and cells

Immunity, Passive
Dean DA; Bukowski MA; Clark SS
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 113-120 Wa
Schistosoma mansoni, acquired resistance in infected or irradiated cercaria-immunized mice and in normal mice to which the former had been surgically joined (parabiotic partners), results provide evidence that resistance induced by normal infection and irradiated cercarial immunization differ in some fundamental way

Immunity, Passive
Delgado O et al
1981 Clin Immunol and Immunopathol 19 (3) June 351-359 Wm
cutaneous leishmaniasis, dialyzable leukocyte extract therapy in immunodepressed patients

Immunity, Passive
Denham DA; Suswillo RR
1980 J Trop Med and Hyg 83 (4) Aug 151-156 Wa
Brugia spp., susceptibility of kittens born to non-infected and infected mothers

Immunity, Passive
Dissanayake S; de Silva LVK; Ismail MM
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 542-544 Wa
Wuchereria bancrofti, human, antifilarial antibody in maternal and umbilical cord blood determined by indirect immunofluorescence, enzyme-linked immunosorbent assay, and radioimmunoassay, antibodies were predominantly of IgG type presumably passively transferred from mother, specific IgM antibody detected in some cord blood samples probably in response to transplacental transfer of filarial antigens: Sri Lanka

Immunity, Passive
Doenhoff MJ et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 41-53 Wa
Schistosoma mansoni, immunological control of hepatotoxicity and parasite egg excretion, stage specificity of therapeutic effect of immune serum in heavily infected T-cell deprived mice, protection assessed both by recipients' serum transaminase concentrations and degree of cytoplasmic microvesicular damage in livers

Immunity, Passive
Dunne DW et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 54-71 Wm
Schistosoma mansoni, identification and partial purification of egg antigen ($\omega_1$) which induces in normal mice synthesis of precipitating antibodies capable of preventing development of hepatotoxic reaction and of enhancing egg excretion in heavily infected T-cell deprived recipient mice

Immunity, Passive
Emery DL
1981 Research Vet Sc 30 (3) May 364-367 Wa
Theileria parva, resistance to lethal challenge transferred between 2 pairs of chimeric bovine co-twins with syngeneic thoracic duct lymphocytes from immunized partner

Immunity, Passive
Flavell DJ; Pattanapanyasat K; Flavell SU
1980 J Helminth 54 (3) Sept 191-197 Wa
Opisthorchis viverrini, hamsters, attempts to adoptively transfer immunity with spleen cells and serum

Immunity, Passive
Freeman RR; Parish CR
1981 Exper Parasitol 52 (1) Aug 18-24 Wa
Plasmodium yoelii, role of antibody in maintenance of immunity in BALB/c mice, serum transfer experiments

Immunity, Passive
Freeman RR; Trejdosiewicz AJ; Cross GAM
1980 Nature London (5754) 284 Mar 27 366-368 Wm
Plasmodium yoelii, monoclonal antibodies recognizing stage-specific merozoite antigens were protective in passive transfer experiments

Immunity, Passive
Guhl F et al
1979 Rev Inst Med Trop S Paulo 21 (4) July-Aug 166-171 Wm
Trypanosoma cruzi-infected mice maintained at 36°C, antibody response, serum from these mice protected recipient mice against lethal infection

Immunity, Passive
Gupta RK et al
1980 Experientia 36 (1) Jan 15 128-129 Wm
Hymenolepis nana, mice, transfer of acquired immunity through sensitized peritoneal exudate cells

Immunity, Passive
Hamburger J; Ben-Sasson SA
1981 Tropenmed u Parasitol 32 (1) Mar 43-47 Wa
Schistosoma mansoni, comparison of sera from chronically infected mice vs. sera from mice immunized with soluble worm antigen (antibody titers to unmodified and modified schistosomula in indirect fluorescent antibody test; passive protective activity; in vitro cytotoxic antibody activity); induction of antibodies by modified schistosomula, cross-testing of this antisera against modified and unmodified schistosomula

Immunity, Passive
Haroun EM; Hammond JA; Sewell MMH
1981 Research Vet Sc 30 (3) May 309-311 Wa
Fasciola hepatica, effects of transferring homologous or heterologus sera between infected donors (rats, rabbits, cattle) and naive recipient rats and rabbits

Immunity, Passive
Hindi RD; Azimi PH
1980 Pediatrics Am Acad Pediat 66 (6) Dec 977-979 Wa
Plasmodium falciparum, 3-month-old child, congenital infection, mother diagnosed as having malaria at 6 months of gestation, transplacentally transmitted antibodies may delay onset of infection: California (mother had lived in Nigeria)

Immunity, Passive
Ibeziako PA; Okerengwo AA; Williams AIO
1980 Internat J Gynaec and Obst 18 (2) Sept-Oct 147-149 Wm
pregnant Nigerian women on malarial chemoprophylaxis, malarial fluorescent antibody titres throughout pregnancy and in paired maternal and cord blood at delivery, findings show that if malarial prophylactics are used for prolonged period maternal antibody levels will fall, leaving newborns with lowered immunity to malaria

Immunity, Passive
Ibeziako PA; Williams AIO
1980 Brit J Obst and Gynaec 87 (11) Nov 976-982 Wm
pregnant Nigerian women on malarial chemoprophylaxis, immunoglobulin levels and malarial fluorescent antibody titres at various stages of gestation and in paired maternal and cord sera at time of delivery, concluded that newborn of mothers on prolonged malarial chemoprophylaxis may have lowered acquired immunity to malaria

Immunity, Passive
Ishaq M; Padma MC; Habibullah CM
1980 IRCS Med Sc Key Rep Cell and Molec Biol 8 (5) May 283 Wa
Entamoeba histolytica, adoptive transfer of immunity to infection by immune spleen cells in rats

Immunity, Passive
Kierszenbaum F
1980 J Parasitol 66 (4) Aug 673-675 Wa
Trypanosoma cruzi, protection of congenitally athymic mice by passive antibody transfer

Immunity, Passive
Kirkpatrick CH
1980 CRC Crit Rev Clin Lab Sc 12 (2) July 87-122 Wa
transfer factor, extensive review, includes information on Eimeria and leishmaniasis

Immunity, Passive
Klesius PH
1981 Advances Exper Med and Biol 137 293-323 Wa
modulation of cell-mediated responses with dialyzable leukocyte extract containing transfer factor, review, includes information on parasitic diseases

Immunity, Passive
Klesius PH; Fudenberg HH; Smith CL
1980 Comp Immunol Microbiol and Infect Dis 3 (3) 247-260 Wa
comparative studies on dialyzable leukocyte extracts containing transfer factor, review, includes some information on parasites

Immunity, Passive
Kloosterman A; Benedictus J; Aghina H
1980 Vet Parasitol 7 (2) Sept 133-142 Wa
Cooperia oncophora, cattle, colostral transfer of anti-nematode antibodies demonstrated using indirect fluorescent antibody technique and indirect haemagglutination test but calves not protected against challenge at 2.5 to 4 months

Immunity, Passive
Londner MV et al
1981 Ztschr Parasitenk 65 (2) 163-166 Wa
Plasmodium berghei, mice (exper.), adoptive transfer of immunity with spleen and bone marrow cells following busulfan and cyclophosphamide treatment

Immunity, Passive
Lyngset A
1980 Lab Animal Sc 30 (3) June 558-561 Wa
Encephalitozoon cuniculi antibodies in breeding rabbits, India ink immunoreaction test, antibodies passively transmitted to young, age changes in antibody titers, possible prenatal or postnatal infection

Immunity, Passive
McDonald V; Phillips RS
1980 Exper Parasitol 49 (1) Feb 26-33 Wa
Plasmodium chabaudi, adoptive transfer of immunity with different spleen cell populations and development of protective activity in serum of lethally irradiated recipient mice

Immunity, Passive
McDonald V; Sherman IW
1980 Exper Parasitol 49 (3) June 442-454 Wa
Plasmodium chabaudi, mice, immunization, protection, humoral and cell-mediated responses, passive transfer experiments, depressed delayed-type hypersensitivity reactions but increased titers of malarial antibody after challenge

Immunity, Passive
McHardy N
1980 Parasitology 80 (3) June 471-478 Wa
Trypanosoma cruzi, mice, passive protection with convalescent mouse plasma against blood- or vector bug-derived trypomastigote challenge

Immunity, Passive
Mangold BL; Knopf PM
1981 Parasitology 83 (3) Dec 559-574 Wa
Schistosoma mansoni, rats, host protective humoral immune responses, kinetics of hyperimmune serum-dependent sensitivity and elimination of schistosomes in passive transfer system

Immunity, Passive
Miller HRP
1980 Immunology 40 (3) July 325-334 Wa
Nippostrongylus brasiliensis, expulsion from rats passively protected with serum, efficacy of sera from singly and multiply infected donors related to time of administration and volume of serum injected

Immunity, Passive
Mishaeva NP; Votiakov VI; Tarasenko AB
1981 Zhurnal Mikrobiol Epidemiol i Immunobiol (3) Mar 35-39 Wa
Ixodoidea, laboratory animals, transfer of resistance to tick attachment and feeding with serum and lymphocytes obtained from animals immune to uninfected ticks, effect on transmission of tick-borne encephalitis virus

Immunity, Passive
Mitchell GBB et al
1981 Research Vet Sc 30 (2) Mar 246-247 Wa
Fasciola hepatica, rats, successful passive transfer of resistance by immune serum (from sheep) and transfer factor (from rats but not from sheep or calves)

Immunity, Passive
Mitchell GF; Rajasekariah GR; Rickard MD
1980 Immunology 39 (4) Apr 481-489 Wa
Taenia taeniaeformis, proposed mechanism of immunologically-mediated genetically-based mouse strain variation in resistance; evidence that both IgG1 and IgG2 fractions of 'immune serum' are required for full expression of passive protection of nude mice

Immunity, Passive
Moqbel R; Wakelin D
1981 Parasite Immunol 3 (3) Autumn 181-189 Wm
Strongyloides ratti, rats, adoptive transfer of immunity with mesenteric lymph node cells

Immunity, Passive
Murrell KD
1981 J Parasitol 67 (2) Apr 167-173 Wa
Strongyloides ratti, rats, protective role of IgG

Immunity, Passive
Nawa Y et al
1981 Immunology 44 (1) Sept 119-123 Wa
Nippostrongylus brasiliensis, rats, adoptive transfer of total and parasite-specific IgE responses with immune thoracic duct lymphocytes

Immunity, Passive
Neilson JTM; Crandall CA; Crandall RB
1981 Acta Trop 38 (3) Sept 309-318 Wa
Dipetalonema viteae-infected hamsters (3 strains differing in susceptibility), serum immunoglobulin and antibody levels, passive transfer of resistance with serum or cells

Immunity, Passive
Nogueira N et al
1981 Exper Parasitol 51 (3) June 325-334 Wa
Trypanosoma cruzi, relative resistance of several inbred mouse strains to Y and CL parasite strains, acquired immunity following sublethal infection, passive transfer of resistance by spleen cells generating macrophage activating factor(s), role of T-cell-enriched immune cells in passive transfer of resistance in vivo and lymphokine production in vitro, relative ability of spleen cells from different strains of mice to generate macrophage activating factor(s) during infection, histological appearance of organs from infected mice

Immunity, Passive
Olveda RM; Olds GR; Mahmoud AAF
1981 Am J Path (471) 104 (2) Aug 150-158 Wa
Schistosoma mansoni-infected and uninfected mice, quantification of pulmonary inflammatory response around schistosomula, correlation with acquired resistance, augmented inflammation and enhanced protection induced by prior sensitization with dead schistosomula or eggs and by adoptive transfer of serum, serum activity shown to reside in fraction containing $IgG_1$

Immunity, Passive
Orjih AU; Cochrane AH; Nussenzweig RS
1981 Nature London (5813) 291 May 28-June 4 331-332 Wa
Plasmodium berghei, protection against sporozoite-induced infection of very young and adult mice immunized intramuscularly with radiation-attenuated sporozoites, protection against sporozoite-induced infection of infants born to and nursed by sporozoite-immunized adult female mice

Immunity, Passive
Phillips SM; Reid WA
1980 Internat J Nuclear Med and Biol 7 (2) 173-186 Wa
Schistosoma mansoni, rats, effect of exposure to various immunizing regimens upon subsequent resistance, studies on mechanism for development of optimal protective immunity

Immunity, Passive
Potocnjak P et al
1980 J Exper Med 151 (6) June 1 1504-1513 Wa
Plasmodium berghei, monoclonal antibodies to sporozoite surface antigen and monovalent fragments of this antibody, effects on sporozoites in vitro (neutralizing assay; circumsporozoite precipitation reaction), protective effects in vivo (mice)

Immunity, Passive
Poulter LW
1980 Clin and Exper Immunol 39 (1) Jan 14-26 Wa
Leishmania enriettii, guinea pigs, adoptive immunization, evidence that basis of protective immune response may change during course of disease from purely cell-mediated mechanism to one involving protective antibody

Immunity, Passive
Reed SG
1980 Infect and Immun 28 (2) May 404-410 Wa
Trypanosoma cruzi, mice, adoptive transfer of resistance to acute infection with T-lymphocyte-enriched spleen cells

Immunity, Passive
Rezai HR; Farrell J; Soulsby EL
1980 Clin and Exper Immunol 40 (3) June 508-514 Wa
L[eishmania] donovani, parasite burdens in liver and spleen of various strains of mice, development of resistance, development of antibody, skin reactivity, adoptive transfer of cells and antibody

Immunity, Passive
Ross JG; Duncan JL; Halliday WG
1979 Research Vet Sc 27 (2) Sept 258-259 Wa
Haemonchus contortus, 4-and 7-month-old lambs, comparison of resistance conferred by irradiated larvae and transfer factor treatment

Immunity, Passive
Ross JG; Halliday WG
1981 Vet Research Commun 4 (4) Apr 287-290 Wa
Trichostrongylus axei, sheep, passive transfer of immunity, specificity and limitations of 'transfer factor' activity

Immunity, Passive
Ruebush MJ; Hanson WL
1980 Cellular Immunol 52 (2) July 1 255-265 Wa
Babesia microti, human-derived Peabody strain, adoptive transfer of immunity from infected mice to naive mice with lymph node and spleen cells, evidence for T-lymphocyte dependence of immunologic memory

Immunity, Passive
Ryu E; Shaey KC
1981 Internat J Zoonoses 8 (1) June 91-96 Wm
Trypanosoma gambiense, inactivated vaccine treated with natural zeolite completely protected rabbits from challenge inoculation with homologous viable parasites, passive protection afforded to mice decreased slightly 1-2 weeks after immunization although agglutination titers of immune serum remained high

Immunity, Passive
Sanghvi PK; Vyas M; Johri GN
1980 Indian J Exper Biol 18 (8) Aug 864-866 Wa
Nematospiroides dubius, mice, transfer of acquired immunity using singly sensitized peritoneal exudate cells

Immunity, Passive
Scott MT
1981 Parasite Immunol 3 (3) Autumn 209-218 Wm
Trypanosoma cruzi, mice recovered from acute infection, results from cell fractionation and passive transfer studies indicate that protective immunity is predominantly B cell-mediated with T cell involvement being restricted to helper role

Immunity, Passive
Shubber AH; Lloyd S; Soulsby EJL
1981 Ztschr Parasitenk 65 (2) 181-189 Wa
Nematospiroides dubius, mice, immunization, effect of lactation on protective immune response to challenge infection, colostral transfer of immunity to offspring; Haemonchus contortus, ewes (exper.), effect of pregnancy and lactation on immune response

Immunity, Passive
Sutton RJ
1979 Research Vet Sc 27 (2) Sept 197-199 Wa
Taenia ovis, lambs, passive transfer of immunity via colostrum

Immunity, Passive
Takehara HA et al
1981 Exper Parasitol 52 (1) Aug 137-146 Wa
Trypanosoma cruzi, mice, role of different antibody classes in protection against infection, passive transfer experiments

Immunity, Passive
Tanner M; Weiss N
1979 Tropenmed u Parasitol 30 (3) Sept 371-375 Wa
Dipetalonema viteae, hamsters, passive transfer of immunity to circulating microfilariae by spleen cells

Immunity, Passive
Trischmann TM; Bloom BR
1980 Exper Parasitol 49 (2) Apr 225-232 Wa
Trypanosoma cruzi, passive protection of mice with immune T-cell-enriched and -depleted lymphocyte populations and unfractionated immune spleen cells

Immunity, Passive
Underdown BJ et al
1981 J Immunol 126 (2) Feb 669-672 Wm
Giardia muris in C3H/He (susceptible) vs. BALB/c (resistant) mice, ability to resist 2nd infection at various times after drug cure of primary infection, ability of infected females to protect their suckling neonates from challenge infection

Immunity, Passive
Vardhani VV; Johri GN
1981 Internat J Parasitol 11 (2) Apr 145-147 Wa
Ancylostoma caninum, migratory behavior and survival pattern of larvae in adoptively immunized mice

Immunity, Passive
Vardhani VV; Johri GN
1981 J Hyg Epidemiol Microbiol and Immunol 25 (2) 150-154 Wa
Ancylostoma caninum, mice, adoptive immunization with mesenteric lymph node cells, results of challenge 28 days after cell transfer

Immunity, Passive
Vinayak VK et al
1981 Ann Trop Med and Parasitol 75 (2) Apr 265-267 Wa
Giardia lamblia, mice, adoptive transfer of immunity with immune spleen cells, immune serum failed to protect mice from infection

Immunity, Passive
Vyas S; Vardhani VV; Johri GN
1981 Indian J Exper Biol 19 (8) Aug 752-753 Wa
Ancylostoma caninum, mice, adoptive transfer of immunity with sensitized lymphoid cells

Immunity, Passive
Wakelin D; Donachie AM
1980 Parasite Immunol 2 (4) Winter 249-260 Wa
Trichinella spiralis, adoptive transfer of immunity between inbred strains of mice characterized by rapid and slow immune expulsion used to analyze role of immune and inflammatory events in determining strain-characteristic time of worm expulsion

Immunity, Passive
Wakelin D; Donachie AM
1981 Immunology 43 (4) Aug 787-792 Wa
Trichinella spiralis, adoptive transfer experiments in mouse radiation chimaeras, results indicate that genetic control of worm expulsion is expressed at level of bone marrow-derived cell population and is independent of lymphocyte responsiveness

Immunity, Passive
Woo PTK
1981 Parasitology 83 (2) Oct 343-346 Wa
Trypanosoma danilewskyi in Carassius auratus, effects of inoculum size on host mortality, all surviving fish were protected from re-infection, plasma from these fish can passively transfer immunity to naive fish and neutralize infectivity of trypanosomes incubated in vitro

Immunity, Phagocytosis See Phagocytosis

Immunity, Precipitation
Abdalla RE
1980 Ann Trop Med and Parasitol 74 (4) Aug 415-419 Wa
visceral leishmaniasis, human, serodiagnosis, immunofluorescence, immunodiffusion, counter-immunoelectrophoresis

Immunity, Precipitation
Abuzeid Y et al
1977 Ain Shams Med J 28 (5-6) Sept-Nov 393-395 Wm
schistosomal granuloma of spinal cord vs. non-schistosomal granuloma, histopathology, results of circumoval precipitin test and clinical features of 2 cases compared: Egypt

Immunity, Precipitation
Aikat BK et al
1979 Indian J Med Research 70 Oct 592-597 Wa
kala-azar, diagnosis in human subjects sampled from endemic area, counter immunoelectrophoresis, distinct relationship between test positivity, splenic size, and duration of illness, comparison with other serological tests: Bihar

Immunity, Precipitation
Alper EI; Littler C; Monroe LS
1976 Am J Gastroenterol 65 (1) Jan 63-67 Wm
E[ntamoeba] histolytica, humans, diagnosis, counterelectrophoresis using axenic antigen gives results in close agreement with agar gel diffusion precipitin and latex agglutination

Immunity, Precipitation
Blumencranz HJ; Sheehan DJ; LeLeiko NS
1981 N England J Med 305 (11) Sept 10 647 Wa
Entamoeba histolytica, human, false-positive reactions in counterimmunoelectrophoresis test

Immunity, Precipitation
Bos HJ et al
1980 Am J Trop Med and Hyg 29 (3) May 358-363 Wa
Entamoeba histolytica in 9 populations, seroepidemiology, enzyme-linked immunosorbent assay, precipitin tests, age distribution: Surinam, South America

Immunity, Precipitation
Chatterjee RK et al
1978 Indian J Med Research 67 Jan 34-41 Wa
Chandlerella hawkingi, antiserum raised in rabbits, precipitating and complement-fixing antibodies, antigenic mosaic, cross reactions with Litomosoides carinii and Wuchereria bancrofti, possibility of using avian filarial antigens in diagnosis of human filariasis

Immunity, Precipitation
Conder GA; Andersen FL; Schantz PM
1980 J Parasitol 66 (4) Aug 577-584 Wa
Echinococcus granulosus, sheep (exper.), immunodiagnosis, evaluation of double diffusion, immunoelectrophoresis, indirect hemagglutination, and intradermal tests, some cross-reactions with serum from Taenia hydatigena-infected sheep

Immunity, Precipitation
Constantinescu G; Capraru T
1980 Arch Roumaines Path Exper et Microbiol 39 (1) Jan-Mar 41-47 Wa
Trichinella spiralis, diagnosis, micro precipitation test performed on human and animal sera, comparison of frozen, lyophilized, and live antigen

Immunity, Precipitation
Cordingley JS; Turner MJ
1980 Molec and Biochem Parasitol 1 (3) June 129-137 Wa
Trypanosoma brucei brucei, isolation of variant specific antigen mRNA by immunoprecipitation of polysomes

Immunity, Precipitation
Croft SL; Schnur LF
1979 Ann Trop Med and Parasitol 73 (6) Dec 535-546 Wa
Leishmania braziliensis braziliensis vs. L. hertigi hertigi, light and electron microscopic study of agglutinated bodies formed on growing promastigotes in their homologous antisera to determine role of leishmanial excreted factor in Noguchi-Adler phenomenon

Immunity, Precipitation
Cruise KM et al
1981 Austral J Exper Biol and Med Sc 59 (4) Aug 503-514 Wa
Schistosoma japonicum, murine hybridoma-derived antibodies producing circumoval precipitation reactions with eggs

Immunity, Precipitation
Dada BJO; Adegboye DS; Mohammed AN
1981 J Helminth 55 (3) Sept 197-202 Wa
hydatidosis, camels, diagnosis, relative sensitivity and specificity of indirect haemagglutination, Ouchterlony's double diffusion, and countercurrent immunoelectrophoresis tests

Immunity, Precipitation
Damian RT et al
1981 Am J Trop Med and Hyg 30 (4) July 836-843 Wm
Schistosoma mansoni, multiply-infected Papio cynocephalus, antibody responses, immunoglobulin classes (enzyme-linked immunosorbent assay, slide flocculation, circumoval precipitation, passive cutaneous anaphylaxis, and opsonization tests), immediate hypersensitivity responses (cercarial dermatitis, direct skin testing with adult worm antigen)

Immunity, Precipitation
Das SR; Kidwai SA; Gupta AK
1979 J Biosc 1 (3) Sept 255-262 Wa
axenic Entamoeba histolytica, preparation of standard amoeba-antigen by ultrasonication of trophozoites, use in serodiagnosis and seroepidemiology of amoebiasis in patients

Immunity, Precipitation
Dasgupta A et al
1980 J Helminth 54 (2) June 83-86 Wa
Wuchereria bancrofti, human, immunodiagnosis, detection of precipitin antibody and soluble circulating antigen by counterimmunoelectrophoresis using Litomosoides carinii antigen/antibody system

Immunity, Precipitation
Deelder AM; Kornelis D
1981 Trop and Geogr Med 33 (1) Mar 36-41 Wa
Schistosoma mansoni, humans, immunodiagnosis of recently acquired infection, comparison of various immunological techniques

Immunity, Precipitation
Demaree R; Hillyer GV
1981 Exper Parasitol 52 (1) Aug 77-85 Wa
Schistosoma spp., transmission electron microscopy of circumoval immune precipitin reaction on eggs

Immunity, Precipitation
Demaree RS jr; Hillyer GV
1981 Am J Trop Med and Hyg 30 (2) Mar 402-405 Wa
Schistosoma mansoni, immunoperoxidase localization by electron microscopy of soluble egg antigen and human IgG in circumoval precipitin reactions around eggs

Immunity, Precipitation
Druilhe P et al
1980 Ann Soc Belge Med Trop 60 (4) Dec 349-354 Wa
Plasmodium cynomolgi bastianellii, accidental infection of 2 laboratory workers, case reviews, usefulness of fluorescent antibody test and counterimmunoelectrophoresis in differentiating Plasmodium species

Immunity, Precipitation
Duffus WPH; Wagner GG
1980 Vet Parasitol 6 (4) Mar 313-324 Wa
Theileria parva, cattle (nat. and exper.), immunodiagnosis, comparison of 5 serological tests using piroplasm antigen (indirect fluorescent antibody, indirect haemagglutination, complement fixation, capillary agglutination, and immunodiffusion)

Immunity, Precipitation
Dunne DW et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 54-71 Wa
Schistosoma mansoni, identification and partial purification of egg antigen ($\omega_1$) which induces in normal mice synthesis of precipitating antibodies capable of preventing development of hepatotoxic reaction and of enhancing egg excretion in heavily infected T-cell deprived recipient mice

Immunity, Precipitation
Felgner P et al
1981 Tropenmed u Parasitol 32 (3) Sept 134-140 Wa
Trypanosoma brucei gambiense, human, prevalence by age and sex, parasitological examination (hematocrit centrifugation technique, subinoculation into Mastomys natalensis, miniature anion exchange centrifugation method), immunodiagnostic examination (enzyme-linked immunosorbent assay, indirect immunofluorescent test, radial immunodiffusion for IgM concentrations): Ivory Coast; Upper Volta

Immunity, Precipitation
Fisher WF; Wilson GI
1977 J Med Entom 14 (2) Nov 25 146-151 Wa
Psoroptes ovis infested- and uninfested-cattle, precipitating antibodies in sera demonstrated by agar-gel diffusion when tested against P. ovis and P. cuniculi extracts, agar-gel diffusion tests on sera of cattle infested with other arthropods compared

Immunity, Precipitation
Fleury P et al
1980 J Franc Ophtal 3 (8-9) 503-506 Wm
Loa loa, ocular loiasis in young woman after camping trip in Equatorial Africa, case report, clinical aspects, diethylcarbamazine therapy, importance of immunological diagnostic techniques: France

Immunity, Precipitation
Flisser A; Woodhouse E; Larralde C
1980 Clin and Exper Immunol 39 (1) Jan 27-37 Wa
Cysticercus cellulosae, human, evaluation of immunoelectrophoresis as diagnostic tool (about 50% non-responders), cysticercus antigens recognized by man, human immunoglobulins among anti-cysticercus antibodies

Immunity, Precipitation
Ford JW; Hillyer GV; Connelly TG
1980 Am J Trop Med and Hyg 29 (6) Nov 1246-1248 Wa
Schistosoma mansoni, circumoval precipitin reaction on eggs as seen by scanning electron microscopy

Immunity, Precipitation
Francis DH; Buening GM; Amerault TE
1980 Am J Vet Research 41 (3) Mar 362-367 Wa
Anaplasma marginale, cattle, evaluation of potential of dodecanoic acid conjugation of vaccines in limiting isoimmune response; characterization of humoral immune responses to Anaplasma and erythrocyte components of Anaplasma vaccine

Immunity, Precipitation
Fuchs V et al
1981 Ceskoslov Gynek 46 (1) Feb 7-11 Wm
pregnant women who had undergone amniocentesis for possible genetic problems of fetuses, serological diagnostic tests showed higher than average positive reactions for toxoplasmosis

Immunity, Precipitation
Fujisaki K; Takeuchi S; Kitaoka S
1980 Japan J Vet Sc 42 (5) Oct 587-593 Wa
Haemaphysalis longicornis, rabbits repeatedly infested with female ticks, development of acquired resistance and production of precipitating and complement-fixing antibodies

Immunity, Precipitation
Fujisaki K; Takeuchi S; Kitaoka S
1981 Eisei Dobutsu (Japan J San Zool) 32 (1) Mar 15 1-6 Wa
Haemaphysalis longicornis, localization of antigenic substances in tick organs using rabbit antiserum in double gel-diffusion and indirect immunofluorescence tests, no resistance developed in rabbits

Immunity, Precipitation
Galant SP et al
1980 South Med J 73 (4) Apr 435-437 Wm
Toxocara canis, diagnostic considerations, especially in children with eosinophilia, pica, and pet dogs, suggested immunoserological tests

Immunity, Precipitation
Ganguly NK et al
1980 Indian J Med Research 71 Feb 213-216 Wa
Entamoeba histolytica, humans with hepatic abscesses, presence of amoebic antigen demonstrated by counter immunoelectrophoresis, possible role in formation of immune complexes

Immunity, Precipitation
Geerts S et al
1981 Vet Parasitol 8 (4) Sept 299-307 Wa
Taenia saginata cysticercosis in cattle (nat. and exper.), diagnosis, comparative evaluation of immunoelectrophoresis, counterimmunoelectrophoresis, and enzyme linked immunosorbent assay (T. saginata used as antigen for first 2, T. crassiceps for ELISA), also tested against sera of cattle and sheep with other helminth infections, some cross-reactions, none of 3 tests sufficiently reliable to make diagnosis on individual basis, may be useful for diagnosis on herd basis

Immunity, Precipitation
Geerts S; Kumar V; Aerts N
1980 Ann Soc Belge Med Trop 60 (2) June 173-182 Wa
Taenia saginata cysticercosis, cattle (exper.), rapid diagnosis using counterimmunoelectrophoresis, procedural details, comparisons with immunoelectrophoresis method, few cross reactions with other parasitic infections

Immunity, Precipitation
Gondo M et al
1979 Neurol Med Chir 19 (12) Dec 1213-1218 Wm
Paragonimus westermani, 8-year-old boy who had eaten wild boar meat, case report, cerebral infections with associated epilepsy and hemiparesis, diagnosis using CT scan, immunoelectrophoresis, and skin tests

Immunity, Precipitation
Handman E; Mitchell GF; Goding JW
1981 J Immunol 126 (2) Feb 508-512 Wm
Leishmania tropica, identification and characterization of antigens, protein and immunoprecipitate patterns of 4 isolates analyzed by 2 dimensional gel electrophoresis, significance of findings for classification of Leishmania spp. and pathogenesis of different disease states that they cause

Immunity, Precipitation
Harrison LJS; Sewell MMH
1980 Vet Immunol and Immunopath 1 (4) Dec 361-369 Wa
Taenia saginata, antigenic activity of chromatographic fractions of saline extract of proglottides, haemagglutination inhibition and precipitation tests

Immunity, Precipitation
Hillyer GV et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1254-1257 Wa
Schistosoma haematobium, S. mansoni, humans, single or mixed infections, immunodiagnosis, comparison of circumoval precipitin test, Ouchterlony immunodiffusion, and enzyme-linked immunosorbent assay: Egypt

Immunity, Precipitation
Hillyer GV et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 121-126 Wa
Schistosoma mansoni, S. haematobium, human, serodiagnosis, circumoval precipitin test, complete cross-reactivity between species, S. haematobium eggs from urine can be used, serum obtained by venipuncture is preferable to serum eluates obtained from blood on filter paper

Immunity, Precipitation
Hillyer GV; Allain D
[1980] J Parasitol 65 (6) Dec 1979 960-963 Issued Apr 2 Wa
Fasciola hepatica, rabbits, comparison of counterelectrophoresis, Ouchterlony immunodiffusion, and indirect hemagglutination for detecting infection and determining chemotherapeutic success

Immunity, Precipitation
Hillyer GV; Kagan IG
1980 Bol Asoc Med Puerto Rico 72 (3) Mar 117-125 Wm
counterimmunoelectrophoresis, use in diagnosing parasitic infections, review

Immunity, Precipitation
Hillyer GV; Lluberes R; Ramirez Ronda C
1981 Bol Asoc Med Puerto Rico 73 (2) Feb 50-55 Wm
Schistosoma mansoni, humans, incidence survey (by age and sex) using the circumoval precipitin test, findings suggest that infection is more widespread than previously reported: Puerto Rico

Immunity, Precipitation
Hillyer GV; Pelley RP
1980 Am J Trop Med and Hyg 29 (4) July 582-585 Wa
Schistosoma mansoni, monoclonal hybridoma antibody to major serological egg antigen (anti-$MSA_1$) reacted with schistosome eggs forming circumoval precipitate, precipitate was seen when anti-$MSA_1$ was incubated with S. mansoni, S. haematobium, and S. japonicum eggs

Immunity, Precipitation
Hillyer GV; Rivera Marrero C
1980 Am J Trop Med and Hyg 29 (6) Nov 1249-1253 Wa
Schistosoma mansoni, development of antiserum reactive with eggs by circumoval precipitin (COP) test, antigens and immunoglobulins involved in COP reaction

Immunity, Precipitation
Hillyer GV; Sagramoso de Ateca L
1980 Am J Trop Med and Hyg 29 (4) July 598-601 Wa
Schistosoma mansoni or Fasciola hepatica in mice, antibody responses to antigen preparations from both species, Ouchterlony immunodiffusion, circumoval precipitin test, enzyme-linked immunosorbent assay, indirect hemagglutination

Immunity, Precipitation
Hillyer GV; Santiago de Weil N
1981 Internat J Parasitol 11 (1) Feb 71-78 Wa
Fasciola hepatica, mice, rats, rabbits, counterelectrophoresis useful for serodiagnosis and for predicting chemotherapeutic success; F. hepatica antigens cross react with antisera to S[chistosoma] mansoni adult worms or eggs

Immunity, Precipitation
Ho Y; Yang H
1979 Tung Wu Hsueh Pao (Acta Zool Sinica) 25 (4) Dec 304-310 Wa
Schistosoma japonicum, embryonic development, histology and histochemistry, nature of in vivo circumoval precipitates

Immunity, Precipitation
Hu X et al
1980 Chinese Med J 93 (8) Aug 557-561 Wm
Paragonimus skrjabini, humans, pre- and post-treatment diagnostic evaluation of counter-immunoelectrophoresis technique vs. agar gel diffusion: areas of Sichuan, China

Immunity, Precipitation
Hutchinson GW; Wanduragala L
1981 Vet Parasitol 8 (4) Sept 319-325 Wa
Stephanurus dentatus, pigs (nat. and exper.), immunodiffusion, immunoelectrophoresis, concluded that these tests have limited usefulness in serodiagnosis of naturally occurring stephanuriasis

Immunity, Precipitation
Iacona A; Pini C; Vicari G
1980 Am J Trop Med and Hyg 29 (1) Jan 95-102 Wa
human hydatid disease, serodiagnosis, evaluation of enzyme-linked immunosorbent assay, comparison with indirect hemagglutination, double diffusion, and immunoelectrophoresis

Immunity, Precipitation
Ilardi I; Petracca C
1979 Ann Sclavo 21 (4) July-Aug 568-572 Wm
Entamoeba histolytica, humans, diagnosis, gel diffusion precipitin test vs. fluorescent antibody test, both recommended

Immunity, Precipitation
Ivanovic D
1980 Rev Med Chile 108 (10) Oct 918-920 Wm
Cysticercus cellulosae, humans, diagnosis, counter immunoelectrophoresis test recommended for use with sera but not with cerebrospinal fluid

Immunity, Precipitation
Jain P; Sawhney S; Vinayak VK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 347-350 Wa
Entamoeba histolytica, guinea pigs immunized with low grade infection, protection against subsequent challenge, humoral (indirect haemagglutination and countercurrentimmunoelectrophoresis tests) and cell-mediated (macrophage migration inhibition test) immune responses in immunized and unimmunized animals

Immunity, Precipitation
Janechaiwat J et al
1980 J Med Ass Thailand 63 (8) Aug 439-447 Wm
Opisthorchis viverrini, immunoelectrophoresis test used to diagnose infection in man and to follow course of humoral immune response in hamsters infected with metacercariae; some cross reactions in humans infected with Mekong schistosomiasis or gnathostomiasis

Immunity, Precipitation
Jepsen S; Axelsen NH
1980 Acta Path et Microbiol Scand 88C (5) Oct 263-270 Wa
Plasmodium falciparum, human, antigens and antibodies studied by immunoelectrophoretic methods

Immunity, Precipitation
Kagan IG; Norman L
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 153-164 Wa
Echinococcus granulosus, E. multilocularis, human, diagnosis, evaluation of antigens using the indirect hemagglutination, double diffusion, and immunoelectrophoresis tests

Immunity, Precipitation
Kaiser H; Skofitsch G
1981 Zool Jahrb Jena Abt Syst 108 (1) 70-83 Wa
Hexamermis sp., H. lineata, Mermis nigrescens, Pheromermis sp., disc electrophoresis of proteins, reactions in gel diffusion tests with antiserum against Hexamermis sp., correlation of these characters with morphologic and biologic characters, implications for taxonomy and phylogeny of Mermithidae

Immunity, Precipitation
Kaliraj P et al
1981 J Helminth 55 (2) June 133-139 Wa
Wuchereria bancrofti, utility of human filarial serum immunoglobulin in detecting circulating antigen in filarial sera studied by counter immunoelectrophoresis and indirect haemagglutination test

Immunity, Precipitation
Kamiya H et al
1980 Japan J Exper Med 50 (5) Oct 375-382 Wa
Schistosoma japonicum, prevalence in Rattus rattus mindanensis by month, host age, and host sex, distribution of eggs in various organs, COP reaction of sera, prevalence of cercariae in Oncomelania quadrasi by month: Dagami, Leyte, Philippines

Immunity, Precipitation
Kariev TM; Averianova AA; Islambekov ES
1980 Klin Med Moskva 58 (11) 38-40 Wm
echinococcosis, humans, diagnosis, double gel diffusion test, highly sensitive and specific

Immunity, Precipitation
Khalil HM et al
1979 J Egypt Pub Health Ass 54 (3) 126-137 Wm
Ascaris, Toxocara, human, precipitin absorption test is useful tool for mass seroepidemiological survey: Egypt

Immunity, Precipitation
Knopf PM et al
1979 Austral J Exper Biol and Med Sc 57 (6) 603-615 Wa
Plasmodium berghei, Babesia rodhaini, mice, incorporation of radioactive precursors into macromolecular products of red cells, analysis of biosynthetically labelled products by polyacrylamide gel electrophoresis; immunoprecipitation of biosynthetic products using P. berghei 'protective' or 'non-protective' mouse sera in attempt to identify 'host-protective antigens'

Immunity, Precipitation
Kohanteb J; Ardehali S; Rezai HR
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 582-584 Wa
Leishmania spp. promastigotes, antigenic relationships determined using electroimmunodiffusion and crossed electroimmunodiffusion tests

Immunity, Precipitation
Lamina J
1979 Rev Med Chile 107 (3) Mar 236-238 Wm
visceral larva migrans of Toxocara canis, Trichinella spiralis, humans, diagnosis, efficacy of microprecipitation test using live larvae vs. agar gel precipitation technique

Immunity, Precipitation
Lamina J
1980 Deutsche Med Wchnschr 105 (22) May 30 796-799 Wa
Toxocara spp. causing human visceral larva migrans, diagnosis, antibodies demonstrated using Ouchterlony and microprecipitation techniques with heterologous antigens, clinical symptoms and other clinical aspects

Immunity, Precipitation
Le Bras J et al
1980 Ann Soc Belge Med Trop 60 (2) June 163-171 Wa
Dracunculus medinensis, infected human serum, specific antibody pattern without cross reaction with other parasitic infections, study used several immunodiagnostic tests

Immunity, Precipitation
Lehner RP; Sewell MMH
1980 Parasite Immunol 2 (2) Summer 99-109 Wa
Fasciola hepatica, antigens produced by adult flukes maintained in vitro, reactions using sera from infected animals in immunodiffusion and enzyme linked immunosorbent assay

Immunity, Precipitation
Levine DM; Hillyer GV; Flores SI
1980 Am J Trop Med and Hyg 29 (4) July 602-608 Wa
Fasciola hepatica, mice and rabbits given and not given chemotherapy, diagnosis, comparison of counterelectrophoresis (CEP), enzyme-linked immunosorbent assay (ELISA), and Kato thick-smear stool examinations, ELISA was most sensitive in detecting early infection but CEP was best indicator of chemotherapeutic success

Immunity, Precipitation
Lewert RM et al
1980 Am J Trop Med and Hyg 29 (3) May 431-434 Wa
Schistosoma japonicum, human, 'atypical' precipitates in circumoval precipitin test are indicative of recently acquired infections: Barrio San Antonio, Basey, Samar, Philippines

Immunity, Precipitation
Lin TM et al
1981 J Clin Microbiol 13 (4) Apr 646-651 Wa
Entamoeba histolytica, human, simple standardized enzyme-linked immunosorbent assay, high degree of correlation with agar gel diffusion, counterelectrophoresis, and indirect hemagglutination methods as well as with clinical data

Immunity, Precipitation
Long GW et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1241-1245 Wa
Schistosoma japonicum, humans, mice, analysis of immunoglobulins responsible for circumoval precipitation reaction, results suggest that antibody class alone is not responsible for differences between 2 morphologically distinct types of this reaction

Immunity, Precipitation
McColm AA; Trigg PI
1981 Ztschr Parasitenk 64 (3)`353-357 Wa
Plasmodium knowlesi, temperature sensitivity and variant specificity of antigens released in vitro and comparison with antigenic material released in vivo, double-diffusion analysis

Immunity, Precipitation
Mahajan RC; Ganguly NK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 300-302 Wa
Entamoeba histolytica, human, liver abscess, immunodiagnosis and prognosis, detection of amebic antigen in liver pus/biopsy specimens and serum by counter-immunoelectrophoresis, correlation between amebic antigen positivity and indirect haemagglutination seropositivity, possible role of amebic antigen in immune complex formation and pathogenesis

Immunity, Precipitation
Mansueto S et al
1979 Ann Sclavo 21 (1) Jan-Feb 93-99 Wm
Leishmania, human and canine visceral infections, counter-immunoelectrophoresis suggested for field use in diagnosis

Immunity, Precipitation
Mansueto S et al
1980 Quad Sclavo Diag Clin e Lab 16 (3) Sept 258-266 Wm
visceral leishmaniasis, human and canine, diagnosis, evaluation of counterimmunoelectrophoresis on cellulose acetate membrane

Immunity, Precipitation
Mansueto S et al
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 260-261 Wa
hydatidosis, human, diagnosis, simplified counter-immunoelectrophoresis with commercially-produced antigen on cellulose acetate membrane

Immunity, Precipitation
de Mello RT; Pereira LH; Pellegrino J
1979 Rev Inst Med Trop S Paulo 21 (1) Jan-Feb 1-4 Wm
Schistosoma mansoni-infected Cebus monkeys used to test experimental therapeutics, circumoval precipitin test used to assess cure rate of experimental compounds

Immunity, Precipitation
Merritt SC
1980 Molec and Biochem Parasitol 1 (3) June 151-166 Wa
Trypanosoma brucei gambiense, mRNA coding for variant specific antigen, purification (from total trypanosomal polyribosomes by indirect immunoprecipitation) and cell-free translation

Immunity, Precipitation
Mesaric B; Panian Z
1979 Lijec Vjesnik Zagreb 101 (8) Aug 501-502 Wm
parasitic orbital edema, significance of immuno-diagnosis; fascioliasis, child, case report, diagnosed by skin test and gel diffusion

Immunity, Precipitation
Milder JE et al
1980 J Clin Microbiol 11 (4) Apr 409-417 Wa
Pneumocystis carinii in rat bronchial lavage fluid, diagnosis, comparison of histological stains and immunological techniques, cresyl echt violet and indirect fluorescent antibody are preferred techniques

Immunity, Precipitation
Mitchell GF et al
1981 Internat J Parasitol 11 (4) Aug 267-276 Wa
Schistosoma japonicum, susceptibility of mice of various strains, infection characteristics, radioisotopic lung assay for granuloma formation, anti-egg circumoval precipitin responses

Immunity, Precipitation
Monjour L et al
1978 Ann Soc Belge Med Trop 58 (4) Dec 287-291 Wa
Leishmania donovani in modified liquid culture medium, quick production of somatic and metabolic antigens, useful with the gel diffusion test for diagnosing and field screening for infections of man and animals

Immunity, Precipitation
Monjour L et al
1978 Ann Soc Belge Med Trop 58 (4) Dec 293-300 Wa
Leishmania donovani, counterimmunoelectrophoresis on cellulose acetate membranes, useful tool for diagnosis and epidemiological surveys of human or canine sera, comparisons with results using the fluorescent antibody test

Immunity, Precipitation
Morii T et al
1981 Internat J Parasitol 11 (3) June 187-190 Wa
Leucocytozoon caulleryi, chickens, evaluation of immunodiffusion test for epizootiological surveys, comparison with parasitological diagnosis, some data on seasonal incidence in Japan, L. sabrazesi also found in Taiwan: Japan; Taiwan; Philippines; Singapore; Malaysia; Thailand

Immunity, Precipitation
Nagathy HF; Tabarestani M
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 720-721 Wa
hydatidosis, humans, diagnosis, evaluation of counter-immunoelectrophoresis and agar gel diffusion techniques: Iran

Immunity, Precipitation
Nilsson LA et al
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 201-204 Wa
Schistosoma mansoni, human, serodiagnosis by thin layer immunoassay (TIA), comparison with passive haemagglutination and immunoprecipitation, cross-testing of sera of patients with different parasitic diseases using TIA plates coated with extracts from the relevant parasites

Immunity, Precipitation
Nilsson LA; Petchclai B; Elwing H
1980 Am J Trop Med and Hyg 29 (4) July 524-529 Wa
Entamoeba histolytica, human, thin layer immunoassay used to demonstrate antibodies, comparison with indirect hemagglutination and immunodiffusion techniques

Immunity, Precipitation
Osisanya JOS; Warhurst DC
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 605-608 Wa
Entamoeba histolytica, human, hepatic and intestinal disease, specific anti-amoebic immunoglobulins measured using indirect fluorescent antibody test, comparison with results of cellulose acetate precipitin tests

Immunity, Precipitation
Patterson M; Healy GR; Shabot JM
1980 Gastroenterology 78 (1) Jan 136-141 Wa
Entamoeba histolytica, human, serologic diagnosis (indirect hemagglutination and gel diffusion precipitation) superior to fecal examination

Immunity, Precipitation
Picardo NG; Diaz R; Guisantes JA
1977 Rev Iber Parasitol 37 (3-4) July-Dec 273-283 Wa
hepatic hydatidosis, human, preoperative sera of 35 cases, diagnostic evaluation using single radial diffusion vs electrosyneresis

Immunity, Precipitation
Picardo NGA; Guisantes JA
1981 Parasite Immunol 3 (3) Autumn 191-199 Wm
Echinococcus granulosus, human, comparative sensitivity and specificity of 3 immunodiagnostic tests (latex agglutination, indirect haemagglutination, counterimmunoelectrophoresis), all 3 considered suitable for epidemiological screening, all 3 correlated well with immunoelectrophoresis test based on presence of arc 5

Immunity, Precipitation
Pinon JM et al
1978 Bull Soc Path Exot 71 (2) Mar-Apr 189-195 Wa
human parasitic diseases, critical evaluation of immuno-enzymatic reactions coupled with precipitation tests on cellulose acetate membranes

Immunity, Precipitation
Potocnjak P et al
1980 J Exper Med 151 (6) June 1 1504-1513 Wa
Plasmodium berghei, monoclonal antibodies to sporozoite surface antigen and monovalent fragments of this antibody, effects on sporozoites in vitro (neutralizing assay; circumsporozoite precipitation reaction), protective effects in vivo (mice)

Immunity, Precipitation
Powell MB et al
1980 Am J Vet Research 41 (6) June 877-882 Wa
Otodectes cynotis, cats (nat. and exper.), reaginic hypersensitivity, precipitating antibodies, hematologic indices; mode of feeding requires ingesting feline tissue fluids and is route by which parasite antigens are presented to host

Immunity, Precipitation
Przyjalkowski Z; Cabaj W; Kontny E
1979 Zentralbl Bakteriol 1 Abt Suppl (7) 181-187 Wa
Trichinella pseudospiralis, germfree and conventional mice, course of infection, hematological and serological changes, humoral response determined by immunodiffusion and hemagglutination tests; ". . .it seems unjustified to distinguish the two types of Trichinella [spiralis and pseudospiralis] as separate species only on the basis of the presence of the envelope sheathing T. spiralis larvae"

Immunity, Precipitation
Rahman KM; Summers WA
1979 Bangladesh Med Research Council Bull 5 (1) June 29-37 Wm
Toxocara canis adults, antigenic analysis and differentiation from Ascaris suum adults using the agar gel double diffusion technique and its modifications

Immunity, Precipitation
Rahman KM; Summers WA
1979 Bangladesh Med Research Council Bull 5 (1) June 38-45 Wm
Toxocara canis, Ascaris suum, larvae, serological differentiation using the interagel absorption test, antigens extracted from embryonated eggs of both worms reacted with anti-Toxocara larval serum but could not absorb all the specific antibodies in the test

Immunity, Precipitation
Rajasekariah GR; Howell MJ
1981 Internat J Parasitol 11 (1) Feb 59-65 Wa
Fasciola hepatica in susceptible (5-week-old) vs. age-resistant (25-week-old) rats, worm recovery, histopathology, haematological changes, precipitating antibody titres

Immunity, Precipitation
Rao YVBG et al
1980 Indian J Med Research 72 July 47-52 Wa
Wuchereria bancrofti, Litomosoides carinii, demonstration of shared antigens, countercurrent immunoelectrophoresis and indirect haemagglutination tests, agglutinating of L. carinii microfilariae by sera from filarial patients due to IgM antibodies

Immunity, Precipitation
Rassam MB; Al-Mudhaffar SA
1980 Ann Trop Med and Parasitol 74 (3) June 283-287 Wa
kala azar, children, diagnosis, comparison of bone marrow culture, Ouchterlony double gel diffusion, immunoelectrophoresis, countercurrent immunoelectrophoresis, and micro-ELISA: Iraq

Immunity, Precipitation
Rubaire-Akiki CM; Mutinga MJ
1980 Bull Animal Health and Prod Africa 28 (1) Mar 49-59 Wa
Rhipicephalus appendiculatus on rabbits, immunological reactions associated with acquired resistance, homocytotropic and precipitating antibody formation

Immunity, Precipitation
Rubiolo ER; Vottero-Cima E; Rovai L
1980 Medicina Buenos Aires 40 Suppl (1) 127-131 Wm
Trypanosoma cruzi, antigenic analysis using counterimmunoelectrophoresis

Immunity, Precipitation
Sakano T et al
1980 Arch Dis Childhood 55 (8) Aug 631-633 Wa
Trichuris vulpis causing visceral larva migrans in 2 young brothers, resulting high eosinophilia, diagnosed on basis of immunoelectrophoretic studies, thiabendazole therapy resulted in decreased eosinophilia and IgE levels: Japan

Immunity, Precipitation
Sandeman RM; Howell MJ
1980 Vet Parasitol 6 (4) Mar 347-357 Wa
Fasciola hepatica, excysted metacercariae cultured in serum taken from sheep weekly for 20 weeks following infection, formation of precipitate on tegument and in surrounding medium, comparison of amount of precipitate formed with levels of liver and bile duct enzymes in serum

Immunity, Precipitation
Sandeman RM; Howell MJ
1981 Research Vet Sc 30 (3) May 294-297 Wa
Fasciola hepatica, sheep, primary and challenge infections, serum enzyme and precipitating antibody levels, worm recoveries, no resistance to challenge, apparent suppression of antibody response during challenge infection; recoveries of adult flukes from rats injected with metacercariae cultured in serum from normal and infected sheep or with freshly excysted metacercariae

Immunity, Precipitation
Sandeman RM; Howell MJ
1981 Vet Parasitol 9 (1) Oct 35-46 Wa
Fasciola hepatica, sheep, primary and challenge infections, precipitating antibodies against excretory/secretory antigens of various developmental stages

Immunity, Precipitation
Santoro F et al
1981 Am J Trop Med and Hyg 30 (5) Sept 1020-1025 Wa
Schistosoma mansoni, human, correlation between circulating antigens detected by radioimmunoprecipitation-polyethylene glycol assay and C1q-binding immune complexes

Immunity, Precipitation
Sawhney S et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 26-29 Wa
axenic Entamoeba histolytica antigen, fractionation and chemical analysis, haemagglutinating and precipitating activity

Immunity, Precipitation
Schantz PM; Shanks D; Wilson M
1980 Am J Trop Med and Hyg 29 (4) July 609-612 Wa
Echinococcus granulosus, Taenia solium, confirmed human cases, indirect hemagglutination tests using both homologous and heterologous antigens, cross-reactions with most sera; immunoelectrophoresis or double diffusion tests with E. granulosus antigens, Echinococcus-specific arc 5 demonstrated in 11 of 21 hydatidosis sera and in 1 of 20 cysticercosis sera

Immunity, Precipitation
Sharma P; Singh K; Dutta GP
1978 Indian J Med Research 67 Mar 374-380 Wa
Entamoeba histolytica, growth patterns in axenic culture using different sera; antisera produced in rabbits analyzed for gel-diffusion precipitin bands, haemagglutinins, and growth inhibitory activity against trophozoites

Immunity, Precipitation
Siau Y
1980 Ztschr Parasitenk 62 (1) 1-6 Wa
Myxobolus exiguus, lyophilized antigens injected into rabbits and Mugil cephalus, presence of antibodies in serum evaluated by several immunologic techniques

Immunity, Precipitation
Sorice F et al
1979 Ann Sclavo 21 (6) Nov-Dec 800-815 Wm
Echinococcus granulosus, humans, diagnosis, radioallergosorbent (RAST) assay compared with ELISA, indirect haemagglutination, counterimmunoelectrophoresis, and with skin tests, findings suggest that RAST be used as adjunct to other test methods rather than be employed as the only diagnostic method

Immunity, Precipitation
Speiser F
1980 Schweiz Med Wchnschr 110 (11) Mar 15 404-407 Wa
E[ntamoeba] histolytica, human, diagnosis, comparison of enzyme linked immunosorbent assay with indirect immunofluorescence antibody test and counter-immunoelectrophoresis

Immunity, Precipitation
Speiser F
1980 Tropenmed u Parasitol 31 (4) Dec 459-466 Wa
filariasis, echinococcosis, human, serodiagnosis, enzyme-linked immunosorbent assay using Echinococcus granulosus hydatid fluid and Dipetalonema viteae as antigens, comparison with indirect fluorescent antibody test, indirect haemagglutination test, and counterimmunoelectrophoresis, ELISA was most sensitive but least specific method

Immunity, Precipitation
Spencer HC et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 63-68 Wa
Entamoeba histolytica, human, serologic and parasitologic studies to examine reliability of diagnosis and confirm estimates of morbidity and mortality: El Salvador

Immunity, Precipitation
Stagno S et al
1980 Pediatrics Am Acad Pediat 66 (1) July 56-62 Wa
Pneumocystis carinii pneumonia, immunocompetent infants, diagnosis by counterimmunoelectrophoresis or by open lung biopsy

Immunity, Precipitation
Stankiewicz M; Jeska EL
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (5) 349-352 Wa
Trichinella pseudospiralis in normal chicken serum, precipitin-like deposits, reaction is temperature and Ca dependent and requires heat labile factor(s); IgM and IgG shown in precipitates by immunofluorescence

Immunity, Precipitation
Stevens DL et al
1979 Am J Gastroenterol 72 (3) Sept 234-238 Wm
E[ntamoeba] histolytica, Caucasian male, case report, hepatic abscess, nonreactive to immunological tests preoperatively, motile hematophagous trophozoites seen microscopically in scrapings from wall of abscess, postoperative serologic tests were positive

Immunity, Precipitation
Stoll L; Haase M; Fuhr R
1979 Arch Lebensmittel-Hyg 30 (6) Nov-Dec 208-214 Wa
Trichinella spiralis, mice and pigs, diagnosis, comparison of agar gel precipitation, direct precipitation, and indirect immunofluorescent antibody test

Immunity, Precipitation
Su KE
1980 Bull Inst Zool Acad Sinica 19 (2) July 41-55 Wa
Trichomonas vaginalis, 5 strains, antigenic composition and relationships analyzed by immunoelectrophoresis

Immunity, Precipitation
Suzuki T; Damian RT
1981 Am J Trop Med and Hyg 30 (4) July 825-835 Wa
Schistosoma mansoni-infected Papio cynocephalus, development of antibodies to adult worm, egg, and cercarial antigens during acute and chronic infections, immunoglobulin classes, enzyme-linked immunosorbent assay, radioallergosorbent, indirect hemagglutination, circumoval precipitin, and slide flocculation tests

Immunity, Precipitation
Tagawa M; Kurokawa K
1979 Bull Nippon Vet and Zootech Coll (28) 55-60 Wa
Dirofilaria immitis, dogs, diagnosis, comparison of hemagglutination and double diffusion using various antigens

Immunity, Precipitation
Tagawa M; Kurokawa K; Tanaka H
1980 Bull Nippon Vet and Zootech Coll (29) 14-22 Wa
Dirofilaria immitis, dogs (exper.), analysis of immunoelectrophoretic patterns

Immunity, Precipitation
Tandon A; et al
1980 Indian J Exper Biol 18 (7) July 679-681 Wa
Litomosoides carinii, fractionation and characterization of antigens, antibody responses to separated fractions in albino rats having patent and latent infections (precipitating and agglutinating antibody response, response in skin tests)

**Immunity, Precipitation**
**Tapales FP et al**
**1981 Southeast Asian J Trop Med and Pub Health 12 (1) Mar 19-23 Wa**
**Schistosoma japonicum, humans, diagnosis, solid-phase radioimmunoassay using extracted egg antigen vs. circumoval precipitin test**

**Immunity, Precipitation**
**Taylor DW; Hayunga EG; Vannier WE**
**1981 Molec and Biochem Parasitol 3 (3) July 157-168 Wa**
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**Immunity, Precipitation**
**Tendler M; Scapin M**
**1979 Rev Inst Med Trop S Paulo 21 (6) Nov-Dec 293-296 Wm**
**Schistosoma mansoni, immunochemical properties (evaluated by immunoprecipitation methods) of antigens present in saline solution in which adult worms were stored**

**Immunity, Precipitation**
**Terrientes ZI; Zeledon R**
**1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 213-218 Wm**
**Leishmania hertigi live vaccine with complete Freunds adjuvant vs. L. hertigi extract with incomplete adjuvant, hamsters, challenge with L. mexicana or L. braziliensis; immunodiffusion or immunoelectrophoresis showed at least one common band between L. hertigi and the two human parasites**

Immunity, Precipitation
Thomas V; Ogunba EO; Fabiyi A
1978 African J Med and Med Sc 7 (2) June 107-112 Wm
parasitic infections, humans, application of immunodiagnostic tests discussed in relation to conditions operating in developing countries where diagnostic facilities are often limited, immunofluorescence antibody test identified as the test that could be used universally with success, review

Immunity, Precipitation
Tosswill JHC; Ridley DS; Warhurst DC
1980 J Clin Path 33 (1) Jan 33-35 Wa
Entamoeba histolytica, counter immunoelectrophoresis as rapid screening test for liver abscess

**Immunity, Precipitation**
**Vinayak VK et al**
**1980 Trop and Geogr Med 32 (4) Dec 298-302 Wa**
**Entamoeba histolytica, patients with amoebic colitis or hepatic abscess, cell-mediated immune response (CMIR) and humoral antibody response studied using various serologic tests, no clear-cut correlations between CMIR and humoral antibody response were found but CMIR appears to be altered in amoebic patients during acute illness**

Immunity, Precipitation
Vinayak VK; et al
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 483-487 Wa
Entamoeba histolytica, guinea-pigs, protective effects of crude and chromatographic fractions of axenic amoebic antigen, antibody response (indirect haemagglutination, counter-current immunoelectrophoresis)

Immunity, Precipitation
Wattre P et al
1980 Nouv Presse Med 9 (5) Jan 26 305-309 Wm
Echinococcus granulosus, immunodiagnostic methods used to confirm classical clinical and radiological diagnostic data and to conduct post-therapeutic surveillances, high prevalence of infection in immigrant workers vs native population in France

Immunity, Precipitation
Yarzabal LA
1973 Rev Med Chile 101 (7) July 558-564 Wm
Echinococcus granulosus, humans, diagnosis, immunoelectrophoresis test specific and sensitive, agar gel diffusion technique recommended as a screening test

Immunity, Precipitation
Zudaire Bergera JJ; et al
1980 Actas Urol Espan 4 (4) July-Aug 221-224 Wm
renal hydatidosis, humans, diagnosis, CAT scans, immunoelectrophoresis

**Immunity, Premunition**
**Dutta GP; Singh PP**
**1980 Indian J Med Research 72 July 23-32 Wa**
**Plasmodium knowlesi, rhesus monkeys, immune status after curative or suppressive/subcurative chloroquine therapy**

Immunity, Premunition
Eling WMC
1980 Exper Parasitol 49 (1) Feb 89-96 Wa
Plasmodium berghei, mice, premunition, sterile immunity, and loss of immunity, host age differences

Immunity, Premunition
Solangi MA; Overstreet RM
1980 J Parasitol 66 (3) June 513-526 Wa
Eimeria funduli in killifishes, prevalence, specificity, and known distribution, sites of infection, experimental infections, route of infection (through grass shrimp), endogenous development, susceptibility and variability in development (host age, temperature, infective dose, premunition), gross pathology and pathogenesis, control with monensin or by feeding TetraMin fish food

Immunity, Premunition
Wery M et al
1979 Ann Soc Belge Med Trop 59 (4) Dec 347-360
Wa
Plasmodium berghei berghei, successive waves of parasitaemia separated by subpatent periods observed in mice infected after immunization with P. berghei Anka parent lines or with clones derived from it, these recrudescences possibly caused by antigenic variants, suggests that acquired protective immunity (premunition) may not have the same efficiency against successive parasite populations occurring in the same animal, no difference could be demonstrated by immunofluorescence in the antigenicity of the different lines or clones used for immunization

Immunity, Premunition
van Zon AAJC; Eling WMC
1980 Tropenmed u Parasitol 31 (4) Dec 402-408
Wa
Plasmodium berghei, mice of several strains, pregnancy-associated recrudescence/immunodepression in immune hosts with persisting parasites, differences between gravida I and gravida II, some mice that did not develop recrudescence exhibited pregnancy-associated clearance of persisting parasites

Immunity, Radioimmunoassay
Akiyama T et al
1981 J Dermat 8 (1) Feb 43-46 Wm
Onchocerca volvulus, increased levels of IgG and IgE in infected Guatemalan patients, no differences found in IgA and IgM levels, quantitative determinations using laser immunoassay or radioimmunosorbent assay

Immunity, Radioimmunoassay
Avraham H et al
1980 J Immunol Methods 32 (2) Jan 28 151-155 Wm
Plasmodium berghei, solid-phase antibody binding-inhibition test for assay of malarial antigen and antimalarial antibodies using radioiodinated protein A

Immunity, Radioimmunoassay
Avraham H et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 421-425
Wa
Plasmodium falciparum, assay of antigens and antibodies by means of solid phase radioimmunoassay with radioiodinated staphylococcal protein A

Immunity, Radioimmunoassay
Bout D et al
1980 Parasitology 80 (2) Apr 247-256 Wa
Schistosoma mansoni, mice, humoral immune response, kinetics of classes and sub-classes of both total immunoglobulins and specific antibodies; use of original radio-immunoadsorbent test

Immunity, Radioimmunoassay
Carlier Y et al
1980 Am J Trop Med and Hyg 29 (1) Jan 74-81 Wa
Schistosoma mansoni-infected African parturients, their uninfected newborn children, infected men, and infected non-pregnant women, evaluation of circulating soluble antigens (CSA) by sandwich radioimmunoassay, of circulating antibodies (CAb) by indirect hemagglutination, and of immune complexes (CIC) by C1q binding test, results indicate probable transplacental transfer of CSA from mother to fetus and possible modulation of CSA level by specific CAb and CIC formation

Immunity, Radioimmunoassay
Carneiro Leao R; de Toledo Barras MM; Mendes E
1980 Allergol et Immunopath 8 (1) Jan-Feb 31-34
Wm
Strongyloides stercoralis, 18 patients with mild or asymptomatic infections, total IgE serum levels determined by the radioimmunosorbent method, 7 had elevated levels

Immunity, Radioimmunoassay
Craig PS et al
1980 Austral J Exper Biol and Med Sc 58 (4)
Aug 339-350 Wa
larval taeniid cestode infections, sheep, attempts to produce hybridoma-based immunodiagnostic reagents

Immunity, Radioimmunoassay
Craig PS et al
1981 Parasitology 83 (2) Oct 303-317 Wa
Echinococcus granulosus, sheep, murine hybridoma-derived antibodies in processing of antigens for immunodiagnosis

Immunity, Radioimmunoassay
Dessaint JP et al
1980 Internat J Nuclear Med and Biol 7 (2) 187-193 Wa
Schistosoma mansoni, antibody-dependent cell-mediated effector systems, contribution of radioisotope techniques to evaluation of immunity, review

Immunity, Radioimmunoassay
Dissanayake S; de Silva LVK; Ismail MM
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 542-544
Wa
Wuchereria bancrofti, human, antifilarial antibody in maternal and umbilical cord blood determined by indirect immunofluorescence, enzyme-linked immunosorbent assay, and radioimmunoassay, antibodies were predominantly of IgG type presumably passively transferred from mother, specific IgM antibody detected in some cord blood samples probably in response to transplacental transfer of filarial antigens: Sri Lanka

Immunity, Radioimmunoassay
Finlayson J
1980 J Comp Path 90 (3) July 491-493 Wa
Toxoplasma gondii, microtitre radio-immunoassay for detection and measurement for a specific antibody class

Immunity, Radioimmunoassay
Hamilton RG et al
1981 J Immunol Methods 44 (1) July 17 101-114
Wm
filariasis patients from endemic Wuchereria bancrofti areas, quantitation of filaria-specific IgG and IgE in sera, evaluation of solid-phase radioimmunoassay and enzyme-linked immunosorbent assay methodology using Brugia malayi as antigen

Immunity, Radioimmunoassay
Houba V; Castelino JB
1980 Internat J Nuclear Med and Biol 7 (2) 197-200 Wa
nuclear techniques in parasitic diseases, summary of panel discussion

Immunity, Radioimmunoassay
Hussain R et al
1981 J Immunol 127 (4) Oct 1623-1629 Wm
Wuchereria bancrofti, patients with various clinical forms of filariasis, quantitation of filaria-specific IgE using solid phase radioimmunoassay with Brugia malayi as antigen

Immunity, Radioimmunoassay
Kim KJ et al
1980 J Immunol 125 (6) Dec 2565-2569 Wm
Plasmodium yoelii, mice, solid-phase radioimmunoassay (SPRIA) to detect antibodies against parasite antigen, intact-RBC radioimmunoassay to detect antibodies against newly expressed antigen(s) or parasitic antigen(s) expressed on RBC from infected mice, screening for hybridomas that produce antibodies to parasite antigen using SPRIA

Immunity, Radioimmunoassay
Long EG et al
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 365-371 Wa
Schistosoma mansoni, human, diagnosis, comparison of sensitivity and specificity of ELISA, radioimmunoassay, and stool examination (Bell filtration technique, Kato thick smear), host age effects: St. Lucia, West Indies

Immunity, Radioimmunoassay
McGuire TC et al
1980 Exper Parasitol 50 (2) Oct 233-239 Wa
Trypanosoma brucei, radioimmunoassay of variant surface glycoproteins from organisms grown in vitro and in vivo

Immunity, Radioimmunoassay
Mackey L et al
1980 Parasitology 80 (1) Feb 171-182 Wa
Plasmodium berghei, mice, diagnosis, solid-phase radioimmunoassay for detection of malaria antigens

Immunity, Radioimmunoassay
Mackey L; McGregor IA; Lambert PH
1980 Bull World Health Organ 58 (3) 439-444 Wa
Plasmodium falciparum, humans, diagnosis, detection of antigens using a solid-phase radioimmunoassay, highly significant degree of correlation with comparative results of microscopy

Immunity, Radioimmunoassay
Matossian RM
1981 J Helminth 55 (1) Mar 49-57 Wa
hydatid disease, human, simplified radioimmunoassay (RIA) compared with indirect haemagglutination test; trichinosis, human, RIA compared with fluorescent antibody test

Immunity, Radioimmunoassay
Mitchell GF et al
1981 Proc National Acad Sc 78 (5) May 3165-3169 Wa
Schistosoma japonicum, hybridoma-derived antibody with immunodiagnostic potential, results of radioimmunoassay with Philippine sera

Immunity, Radioimmunoassay
Nash TE; Lunde MN; Cheever AW
1981 J Immunol 126 (2) Feb 805-810 Wm
Schistosoma mansoni, analysis and antigenic activity of carbohydrate fraction derived from adult worms, ELISA, radioimmunoassay, relationship of antibody response to length and intensity of infection

Immunity, Radioimmunoassay
O'Donnell IJ et al
1980 Austral J Biol Sc 33 (1) Mar 27-34 Wa
Lucilia cuprina, fly-struck sheep, serum IgG antibodies to larval antigens in solid-phase radioimmunoassay, more severe myiasis in previously struck vs. unstruck sheep when subjected to standard larval challenge, immunosuppressive therapy reduces extent of myiasis

Immunity, Radioimmunoassay
O'Donnell IJ; Mitchell GF
1980 Internat Arch Allergy and Applied Immunol 61 (2) 213-219 Wa
Ascaris lumbricoides (var. suum), investigation of antigens using radioimmunoassay and sera of naturally infected humans with particular emphasis on antigens which induce and bind IgG antibodies

Immunity, Radioimmunoassay
Rhodes MB; Staudinger LA; Hart RA
1981 Am J Vet Research 42 (5) May 868-870 Wa
Ascaris suum, pigs, detection of antibodies by indirect solid-phase microradioimmunoassay: Nebraska

Immunity, Radioimmunoassay
Rieckmann KH et al
1979 Bull World Health Organ 57 suppl 1 139-151 Wa
Plasmodium knowlesi, rhesus monkeys, immunization with 3 nonviable blood-stage antigens, response to challenge, haematology, indirect fluorescent antibody test, IgG values, radioimmunoassay values, opsonization and merozoite inhibition tests, B and T cell values, lymphocyte transformation test, intradermal skin test

Immunity, Radioimmunoassay
Santoro F et al
1981 Am J Trop Med and Hyg 30 (5) Sept 1020-1025 Wa
Schistosoma mansoni, human, correlation between circulating antigens detected by radioimmunoprecipitation-polyethylene glycol assay and C1q-binding immune complexes

Immunity, Radioimmunoassay
de Savigny D; Voller A
1980 Internat J Nuclear Med and Biol 7 (2) 165-171 Wa
Toxocara canis, human, comparison of isotopic immunoassay vs. enzyme-immunoassay

Immunity, Radioimmunoassay
Sayles PC et al
1981 J Parasitol 67 (4) Aug 585-586 Wa
Leishmania mexicana-infected Mystromys albicaudatus (exper.), specific antibody response, solid phase radioimmunoassay, magnitude of antibody response correlates both with time postinfection and type and progression of cutaneous lesions

Immunity, Radioimmunoassay
Smith HV et al
1980 J Immunol Methods 37 (1) 47-55 Wm
Toxocara canis, human, paper radioimmunosorbent test for detection of larva-specific antibodies

Immunity, Radioimmunoassay
Sorice F et al
1979 Ann Sclavo 21 (6) Nov-Dec 800-815 Wm
Echinococcus granulosus, humans, diagnosis, radioallergosorbent (RAST) assay compared with ELISA, indirect haemagglutination, counterimmunoelectrophoresis, and with skin tests, findings suggest that RAST be used as adjunct to other test methods rather than be employed as the only diagnostic method

Immunity. Radioimmunoassay
Suzuki T; Damian RT
1981 Am J Trop Med and Hyg 30 (4) July 825-835 Wa
Schistosoma mansoni-infected Papio cynocephalus, development of antibodies to adult worm, egg, and cercarial antigens during acute and chronic infections, immunoglobulin classes, enzyme-linked immunosorbent assay, radioallergosorbent, indirect hemagglutination, circumoval precipitin, and slide flocculation tests

Immunity, Radioimmunoassay
Tapales FP et al
1981 Southeast Asian J Trop Med and Pub Health 12 (1) Mar 19-23 Wa
Schistosoma japonicum, humans, diagnosis, solid-phase radioimmunoassay using extracted egg antigen vs. circumoval precipitin test

Immunity, Radioimmunoassay
Turner KJ; Fisher EH; McWilliam AS
1980 Austral J Exper Biol and Med Sc 58 (3) June 249-257 Wa
Ascaris lumbricoides, A. suum, Necator americanus, homology between antigens detected by human IgE antibodies, radioallergosorbent test (RAST), inhibition of RAST, and isoelectric focusing on polyacrylamide gels

Immunity, Radioimmunoassay
Voller A
1980 Internat J Nuclear Med and Biol 7 (2) 157-163 Wa
use of immunofluorescence, enzyme-immunoassay, and radioimmunoassay in parasitic diseases with special reference to malaria, review

Immunity, Radioimmunoassay
Vottero-Cima E; Faillaci MG; Rubiolo E
1979 Acta Physiol Latinoam 29 (4-5) 263-270 Wa
Trypanosoma cruzi, humans, detection of humoral immune response, solid-phase micro-radioimmunoassay test, comparison with complement-fixation, indirect hemagglutination, and immunofluorescence tests

Immunity, Radioimmunoassay
Weiss N; Speiser F; Hussain R
1981 Acta Trop 38 (3) Sept 353-362 Wa
Onchocerca volvulus, human, detection of IgE antibodies with radioallergosorbent test using O. volvulus vs. Dipetalonema viteae as antigen, comparison with enzyme linked immunosorbent assay detecting IgG and IgM antibodies against same antigen preparations

Immunity, Skin tests
Aderele WI; Oduwole O
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 675-679 Wm
skin sensitivity reactions in Nigerian children with bronchial asthma, including relatively high sensitivity to Ascaris antigen

Immunity, Skin tests
Alam SM et al
1981 J Ass Physicians India 29 (1) Jan 19-24 Wm
Entamoeba histolytica, human intestinal and extraintestinal invasive infection, diagnosis, indirect haemagglutination test vs. intradermal test

Immunity, Skin tests
Ardehali S et al
1980 Ann Trop Med and Parasitol 74 (4) Aug 439-445 Wa
cutaneous leishmaniasis, human, chronic (lupoid) form, clinical aspects, histology, skin tests with leishmanin and PPD, indirect fluorescent antibody and direct agglutination tests: Iran

Immunity, Skin tests
Banerjee DP et al
1981 Tropenmed u Parsitol 32 (2) June 105-108 Wa
Anaplasma marginale, cattle, vaccinated infected and non-vaccinated infected (carrier) animals, cell-mediated immune response assessed in vivo by intradermic skin test and in vitro by leucocyte migration inhibition test, killed vaccine yielded encouraging results

Immunity, Skin tests
Bilqees FM; Khan A
1979 J Egypt Pub Health Ass 54 (5-6) 425-430 Wm
Entamoeba histolytica, patients with confirmed intestinal amoebiasis, cyst passers, and normal persons, diagnosis, evaluation of a skin test, useful in all instances as well as for epidemiological surveys

Immunity, Skin tests
Chandanani RE; Mahanta J; Mahajan RC
1978 Indian J Med Research 68 Oct 595-598 Wa
hydatid disease, humans, diagnosis, evaluation of slide haemagglutination test vs. indirect haemagglutination tube test or Casoni's skin test

Immunity, Skin tests
Chandra R et al
1978 Indian J Med Research 68 July 61-66 Wa
Wuchereria bancrofti, subjects from endemic vs. non-endemic area, diagnosis by skin test, comparison of Brugia malayi infective larval whole worm antigen vs. homologous W. bancrofti larval antigen, no cross reactions with helminth infections

Immunity, Skin tests
Conder GA; Andersen FL; Schantz PM
1980 J Parasitol 66 (4) Aug 577-584 Wa
Echinococcus granulosus, sheep (exper.), immunodiagnosis, evaluation of double diffusion, immunoelectrophoresis, indirect hemagglutination, and intradermal tests, some cross-reactions with serum from Taenia hydatigena-infected sheep

Immunity, Skin tests
Cursons RTM; et al
1980 Infect and Immun 29 (2) Aug 408-410 Wa
Naegleria spp., sensitized guinea pigs, cross-reactivity of homologous and heterologous antigens as judged by delayed hypersensitivity skin test and macrophage inhibition test, possible role of cell-mediated immunity in defense against pathogenic free-living amoebae

Immunity, Skin tests
Damian RT et al
1981 Am J Trop Med and Hyg 30 (4) July 836-843 Wm
Schistosoma mansoni, multiply-infected Papio cynocephalus, antibody responses, immunoglobulin classes (enzyme-linked immunosorbent assay, slide flocculation, circumoval precipitation, passive cutaneous anaphylaxis, and opsonization tests), immediate hypersensitivity responses (cercarial dermatitis, direct skin testing with adult worm antigen)

Immunity, Skin tests
Dedet JP et al
1979 Bull Soc Path Exot 72 (5-6) Sept-Dec 451-461 Wa
leishmaniasis, human cutaneous infections, survey, epidemiologic indices (age, skin tests, yearly variations): region de Thies, Senegal

Immunity, Skin tests
Dedet JP et al
1979 Ann Soc Belge Med Trop 59 (1) Mar 21-32 Wa
Leishmania tropica, population of Fleuve region, incidence survey using the leishmanin skin test: Senegal, West Africa

Immunity, Skin tests
El Raziky KH et al
1981 Am J Trop Med and Hyg 30 (2) Mar 373-384 Wm
Schistosoma mansoni and S. haematobium-infected patients vs. subjects from nonendemic area, immediate, Arthus, and delayed skin test responses to S. mansoni antigen, delayed responses to ubiquitous antigens, gross and histological studies: Egypt

Immunity, Skin tests
Falk ES; Bolle R
1980 Brit J Dermatol 103 (4) Oct 367-373 Wa
Sarcoptes scabiei, human, demonstration of immediate type hypersensitivity reactions using prick and intracutaneous methods

Immunity, Skin tests
Fuller GK; Fuller DC
1981 Am J Trop Med and Hyg 30 (3) May 645-652 Wa
Echinococcus granulosus, human, survey, clinical findings, indirect hemagglutination test results, hydatid skin test results (marked sex differences in positivity): Ethiopia

Immunity, Skin tests
Fuller GK; Lemma A; Haile T
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 205-208 Wa
people with varying histories of exposure to Trypanosoma and Leishmania, comparison of skin-test responses using antigen from Leishmania donovani and a lizard trypanosome, sex differences: Ethiopia

Immunity, Skin tests
Furtado T
1980 An Brasil Dermat 55 (2) Apr-June 81-86 Wm
American cutaneous leishmaniasis, human, diagnosis, review: detection of organisms, skin tests, complement fixation, indirect immunofluorescence

Immunity, Skin tests
Goihman Yahr M; Convit J; de Pinardi ME
1977 An Brasil Dermat 52 (3) July-Sept 325-332 Wm
leishmaniasis, humans, immunological aspects, Montenegro skin test characteristics, general review

Immunity, Skin tests
Gondo M et al
1979 Neurol Med Chir 19 (12) Dec 1213-1218 Wm
Paragonimus westermani, 8-year-old boy who had eaten wild boar meat, case report, cerebral infections with associated epilepsy and hemiparesis, diagnosis using CT scan, immunoelectrophoresis, and skin tests

Immunity, Skin tests
Helmy-Khalil S jr et al
1979 Tropenmed u Parasitol 30 (4) Dec 426-428 Wa
S[chistosoma] mansoni, human, hepato-splenic disease vs. simple intestinal infection, cell mediated immune (CMI) responses assessed using delayed intradermal and migration inhibition tests with soluble egg antigens, findings suggest relationship between CMI responsiveness and clinicopathological manifestations

Immunity, Skin tests
Higashi GI et al
1980 Trop and Geogr Med 32 (3) Sept 245-250 Wa
Schistosoma mansoni, human population being epidemiologically evaluated for bilharzial urinary bladder cancer, assessment of immediate and delayed skin test responses to schistosomal antigens, evaluation of 3 methods, correlations with ova in urine or stool: rural Egypt

Immunity, Skin tests
Jain AN; Ramanathan P; Ganatra RD
1980 Clin Nuclear Med 5 (1) Jan 25-28 Wm
hydatid cysts of liver, humans, diagnosis, liver scans, analysis of 55 cases, comparisons with results using Casoni's skin test: India

Immunity, Skin tests
Khamis Y; Fahmy L
1979 Vet Med J Giza 25 (25) 1977 193-197 Issued Jan 14 Wa
filariasis, large animals, diagnosis, evaluation of intradermal test using Dirofilaria immitis as antigen

Immunity, Skin tests
Khan MA
1981 Canad Vet J 22 (2) Feb 36-41 Wa
Hypoderma spp., cattle, rabbits, and guinea pigs (all exper.), diagnosis, intradermal test using H. lineatum larval antigen, cross-reaction against H. bovis infection

Immunity, Skin tests
Knight R et al
1979 Ann Trop Med and Parasitol 73 (6) Dec 563-576 Wa
Wuchereria bancrofti, human, clinical findings, microfilaria counts, filarial serology, and filarial skin tests for different age groups and each sex; prevalence of non-filarial parasites, various serological parameters, mean IgE levels, and mean eosinophil counts in different age groups: Middle Fly River region, Western Papua New Guinea

Immunity, Skin tests
Kutsumi H et al
1980 Hokkaido Igaku Zasshi (Hokkaido J Med Sc) 55 (2) Mar 89-103 Wm
[Schistosoma] japonica, diagnosis, inhabitants of an endemic area tested using the immediate intradermal reaction, epidemiologic study based on the analysis of these reactions, significance of age, sex, contents of antigen used, variations in sections of survey area, suggested disease control measures and vector control measures: Yamanashi Prefecture, Japan

Immunity, Skin tests
Meakins RH; Harland PSEG; Carswell F
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 731-735 Wa
helminthiasis and malnutrition among schoolchildren, preliminary survey; immediate skin hypersensitivity tests for Ascaris and Schistosoma proved unreliable: Tanzania

Immunity, Skin tests
Mesaric B; Panian Z
1979 Lijec Vjesnik Zagreb 101 (8) Aug 501-502 Wm
parasitic orbital edema, significance of immuno-diagnosis; fascioliasis, child, case report, diagnosed by skin test and gel diffusion

Immunity, Skin tests
Miller EC
1980 Zentralbl Gynak 102 (5) 283-294 Wm
Toxoplasma gondii, humans, diagnosis, qualitative and quantitative comparisons of dye test, complement fixation, and intradermal test

Immunity, Skin tests
Miller EC
1980 Zentralbl Gynak 102 (5) 295-297 Wm
Toxoplasma gondii, diagnostic skin test survey of pregnant women, test results show that following toxoplasmosis infection cellular immune reactions increase slowly, continued use of intradermal test recommended

Immunity, Skin tests
Miller EC
1980 Zentralbl Gynak 102 (13) 702-708 Wm
Toxoplasma gondii, humans, changes in antibody titers during pregnancy determined using the dye test, skin test, and complement fixation test, diagnostic value of titer changes and correlations with choriogonadatrophic hormones excreted in urine

Immunity, Skin tests
Mukerji K et al
1980 Indian J Exper Biol 18 (8) Aug 905-906 Wa
Ascaris lumbricoides var. hominis, trichloroacetic acid soluble fraction of body wall extract used in intradermal test for immunodiagnosis of human ascariasis

Immunity, Skin tests
Mukerji K et al
1981 J Biosc 3 (1) Mar 77-82 Wa
Ascaris lumbricoides, guinea pigs, immunization, immediate hypersensitivity following challenge, characterization of cytotropic antibodies, skin tests in Ascaris-positive human subjects, concluded that guinea pig is suitable model for testing human Ascaris allergens

Immunity, Skin tests
Murthy PK et al
1978 Indian J Med Research 68 Sept 428-434 Wa
Brugia malayi larval antigen used for filariasis skin test, reactions inhibited in persons receiving diethylcarbamazine therapy: villages near Lucknow

Immunity, Skin tests
Ngu JL
1978 Acta Trop 35 (3) Sept 269-279 Wa
Onchocerca volvulus, patients with generalized type vs. localized reactive type disease, skin testing, leucocyte migration inhibition test, enzyme linked immunosorbent assay

Immunity, Skin tests
Ngu JL et al
1981 Tropenmed u Parasitol 32 (3) Sept 165-170 Wa
Onchocerca volvulus, human, diagnostic skin test, excretory/secretory products of microfilariae from nodules used as antigen, low incidence of positive reactions in patients with Loa loa or Ascaris, same subjects skin tested with Ascaris lumbricoides somatic antigen also

Immunity, Skin tests
Prakash D et al
1980 Indian Pediat 17 (7) July 619-623 Wm
Ascaris lumbricoides var. hominis, diagnostic value of purified human antigen investigated as skin test in children, possible use in epidemiology surveys, and as verification of other test methods: India

Immunity, Skin tests
Rees PH et al
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 630-631 Wa
Leishmania donovani, kala-azar patients, skin test response to tuberculin and leishmanin (L. tropica), negative during active disease, some conversions to positive after successful cure, suggests that active kala-azar is associated with generalized non-specific depression of cell-mediated immune responses which reverts to normal after treatment

Immunity, Skin tests
Rieckmann KH et al
1979 Bull World Health Organ 57 suppl 1 139-151 Wa
Plasmodium knowlesi, rhesus monkeys, immunization with 3 nonviable blood-stage antigens, response to challenge, haematology, indirect fluorescent antibody test, IgG values, radioimmunoassay values, opsonization and merozoite inhibition tests, B and T cell values, lymphocyte transformation test, intradermal skin test

Immunity, Skin tests
Rifaat MA et al
1975 Ain Shams Med J 26 (2) Mar 173-179 Wm
Schistosoma haematobium, human, immunodiagnosis, skin testing using Fasciola gigantica antigens isolated by salting out and by DEAE-cellulose column chromatography

Immunity, Skin tests
Rifaat MA; Nabila HM; Abdel Aal TM
1975 Ain Shams Med J 26 (4) July 491-493 Wm
Wuchereria bancrofti, evidence of antigenic substance in urine of patients with microfilaremia, possible use in diagnosis of filariasis by intradermal test

Immunity, Skin tests
Sampaio RNR et al
1980 An Brasil Dermat 55 (2) Apr-June 69-76 Wm
Leishmania, patients with American mucocutaneous infections, histological and immunological diagnosis, therapy: Sobradinho, Brasilia

Immunity, Skin tests
Schiller EL; D'Antonio R; Figueroa Marroquin H
1980 Am J Trop Med and Hyg 29 (6) Nov 1215-1219 Wa
Onchocerca volvulus, human, diagnosis, intradermal reactivity of excretory and secretory products of O. volvulus and O. gutturosa microfilariae, some cross-reactivity in humans and dogs with other filarial infections but not in dogs with Dirofilaria immitis

Immunity, Skin tests
Shivananda PG et al
1981 Indian J Med Research 73 Suppl Jan 107-110 Wa
hydatidosis, humans, diagnosis, leucocyte migration inhibition test appears more reliable and to have more prognostic significance than does Casoni's skin test

Immunity, Skin tests
Sorice F et al
1979 Ann Sclavo 21 (6) Nov-Dec 800-815 Wm
Echinococcus granulosus, humans, diagnosis, radioallergosorbent (RAST) assay compared with ELISA, indirect haemagglutination, counterimmunoelectrophoresis, and with skin tests, findings suggest that RAST be used as adjunct to other test methods rather than be employed as the only diagnostic method

Immunity, Skin tests
Tandon A; et al
1980 Indian J Exper Biol 18 (7) July 679-681 Wa
Litomosoides carinii, fractionation and characterization of antigens, antibody responses to separated fractions in albino rats having patent and latent infections (precipitating and agglutinating antibody response, response in skin tests)

Immunity, Skin tests
Thomas V; Ogunba EO; Fabiyi A
1978 African J Med and Med Sc 7 (2) June 107-112 Wm
parasitic infections, humans, application of immunodiagnostic tests discussed in relation to conditions operating in developing countries where diagnostic facilities are often limited, immunofluorescence antibody test identified as the test that could be used universally with success, review

Immunity, Skin tests
Todorov T et al
1979 Bull World Health Organ 57 (5) 735-740 Wa
echinococcosis, patients operated on for pulmonary infections, diagnostic value of 5 immunological tests compared

Immunity, Skin tests
Todorov T et al
1979 Bull World Health Organ 57 (5) 741-750 Wa
pulmonary echinococcosis, humans, comparison of geometric mean titres of antibody response using 5 immunodiagnostic procedures and the role of certain factors in determining immunoreactivity

Immunity, Skin tests
Turner KJ; Sumarmo; Sutejo
1978 Asian J Infect Dis 2 (3) Sept 193-203 Wm
The influence of parasitism on the expression of immediate-type hypersensitivity reactions and serum immunoglobulin levels in malnourished children

Immunity, Skin tests
Weiland G et al
1980 Berl u Munchen Tierarztl Wchnschr 93 (14) July 15 261-264 Wa
Babesia divergens, cattle (nat. and exper.), diagnosis, indirect immunofluorescence, enzyme-linked immunosorbent assay, indirect haemagglutination, and intradermal tests using antigens of B. divergens and/or B. rodhaini

Immunity, Skin tests
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Wuchereria bancrofti, human, immediate and delayed hypersensitivity skin test responses to Dirofilaria immitis filarial skin test (Sawada) antigen, findings document limitations of this antigen preparation in immunodiagnosis of filariasis in residents of an endemic area: Mauke, Cook Islands

Immunity, Skin tests
Weltman JK; Senft AW
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schistosomiasis, human, analysis of allergy, immunoglobulin E, and diagnostic skin tests, mathematical model for mast cell degranulation

Immunity, Skin tests
Zapart W; Podlaski S; Deja M
1980 Ang Parasitol 21 (1) Feb 10-15 Wa
helminths, persons associated with mining, school-children, and non-miners, intradermal tests compared with coprological examinations, cross-reactions: Poland

Immunity, Transfer factor See Immunity, Passive

Immunity, Vaccination See Immunization

Immunization [See also Immunity, Passive]

Immunization
Abouzkham AA; Buttner A
1980 Ann Parasitol 55 (2) Mar-Apr 199-207 Wa
Schistosoma mansoni, mice, development of hepatic granulomas in challenge infections, effect of time between initial and challenge infections, effect of size of initial infecting dose

Immunization
Ackerman S; Floyd M; Sonenshine DE
1980 J Med Entom 17 (5) Sept 30 391-397 Wa
Dermacentor variabilis-infested Rattus norvegicus (exper.), immunization with extracts derived from whole ticks vs. tick midguts, effect on tick responses (temporal dynamics of attachment/detachment; body weights of engorged females; egg production and egg hatching) indicates resistance may be functioning internally within the tick, not in host tissues at bite site

Immunization
Adams DB; Beh KJ
1981 Internat J Parasitol 11 (5) Oct 381-386 Wa
Haemonchus contortus, sheep undergoing sequence of primary, secondary, then tertiary infection, induction of acquired immunity, haemagglutinating antibody titres

Immunization
Aliu YO
1980 Vet Research Commun 4 (2) Aug 99-106 Wa
Babesia, Anaplasma, Theileria, Cowdria, chemoimmunization of ruminants, review, recommendations

Immunization
Allison AC; Eugui EM
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approaches to vaccines against protozoan parasites of cattle, review with emphasis on cell-mediated immunity in theileriosis

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Hymenolepis diminuta, immunologically mediated rejection from rats

Immunization
Ansari MZ; Singh KS
1980 Indian J Animal Sc 50 (7) July 558-560 Wa
Gaigeria pachyscelis, lambs vaccinated with irradiated and non-irradiated larvae, indirect haemagglutination test for detection of serum antibodies

Immunization
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1978 Ann Soc Belge Med Trop 58 (1) Mar 63-64 Wa
Plasmodium berghei, mice (exper.), sporozoite-induced immunity against challenge with pre-erythrocytic stages of infection, preliminary report

Immunization
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1980 J Parasitol 66 (2) Apr 337-338 Wa
Plasmodium berghei, rats, successful immunization with irradiated sporozoites, advantages of rat model over mouse model

Immunization
Banerjee DP et al
1981 Tropenmed u Parsitol 32 (2) June 105-108 Wa
Anaplasma marginale, cattle, vaccinated infected and non-vaccinated infected (carrier) animals, cell-mediated immune response assessed in vivo by intradermic skin test and in vitro by leucocyte migration inhibition test, killed vaccine yielded encouraging results

Immunization
Bawden MP et al
1979 Bull World Health Organ 57 suppl 1 205-209 Wa
Plasmodium berghei, rats, mice, vaccination with irradiated sporozoites, serological evaluation of the antigen and of antibody responses using indirect fluorescent antibody test

Immunization
Beaudoin RL; Armstrong JC; Vannier WE
1980 Internat J Nuclear Med and Biol 7 (2) 113-124 Wa
malaria, schistosomiasis, production of radiation-attenuated vaccines, review

Immunization
Bell RG; McGregor DD
1980 Infect and Immun 29 (1) July 186-193 Wa
Trichinella spiralis, parabiotic rats used to demonstrate requirement for 2 discrete stimuli for induction of intestinal rapid expulsion response: immunologically specific systemic component (induced by preadults); nonspecific local intestinal component (induced by adult trichinae or by Heligmosomoides polygyrus)

Immunization
Bell RG; McGregor DD
1980 Infect and Immun 29 (1) July 194-199 Wa
Trichinella spiralis, rats, coinduction of rapid expulsion response by using antigenic extracts of larvae and intestinal stimulation with unrelated parasite (Heligmosomoides polygyrus)

Immunization
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1981 Tropenmed u Parasitol 32 (2) June 93-96 Wa
Trypanosoma cruzi, mice, BCG-induced resistance, correlation with in vitro effects of BCG-activated macrophages on parasite bloodstream stages, findings represent further demonstration that cell-mediated immunity plays role in immune response in experimental Chagas' disease

Immunization
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1981 J Hyg Epidemiol Microbiol and Immunol 25 (1) 1-5 Wa
Hymenolepis nana, mice exposed to single and repeated low-level infections, stimulation of immunity

Immunization
Blair LS; Campbell WC
1981 Parasite Immunol 3 (2) Summer 143-147 Wa
Dirofilaria immitis, immunization of Mustela putorius furo by means of infections chemically abbreviated by ivermectin

Immunization
Brackett RG et al
1979 Bull World Health Organ 57 suppl 1 33-36 Wa
Plasmodium falciparum, in vitro propagation for merozoite antigens with yields sufficient for experimental vaccine studies

Immunization
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1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunization
Brown KN; Hills LA
1979 Bull World Health Organ 57 suppl 1 135-138 Wa
Plasmodium berghei, rats rendered anemic by phenylhydrazine treatment at time of immunization showed significantly greater protection than rats given antigen alone or phenylhydrazine alone, this enhanced response could be adoptively transferred with spleen cells, possibility that autoimmune responses to modified red cell antigens might be involved in protective immunity to malaria

Immunization
Brown KN; Hills LA
1981 Tropenmed u Parasitol 32 (2) June 67-72 Wa
Plasmodium berghei, protective immunity in mice and rats is significantly enhanced by phenylhydrazine treatment, this effect generates memory, can be transferred with spleen cells, and can have both enhancing and suppressive action on protective immune response in recipients, implications for role of erythrocyte destruction in protective immunity to malaria

Immunization
Burden DJ; Hammet NC
1980 Vet Parasitol 7 (1) June 51-57 Wa
Fasciola hepatica, attempts to immunize rats using fluke eggs and in vitro culture products

Immunization
Burgess DE; Hanson WL
1980 J Parasitol 66 (2) Apr 340-342 Wa
Trypanosoma cruzi, mice, heterologous (BCG) and specific immunization, comparison of different immunization procedures

Immunization
Callow LL; Kanhai GK; Vandenberghe A
1981 Trop Animal Health and Prod 13 (2) May 79-82 Wa
Babesia bovis, demonstration of close serological relationship between strains occurring in Australia and Mozambique using indirect fluorescent antibody test, practical implication is that Australian vaccine should protect cattle being introduced into southern Africa from B. bovis-free environments

Immunization
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1979 J South African Vet Ass 50 (4) Dec 330-331 Wa
Anaplasma marginale, cattle, immune response to live and inactivated Anaplasma vaccines, response to challenge, review

Immunization
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1981 Berl u Munchen Tierarztl Wchnschr 94 (11-12) June 1 238-241 Wa
Ornithodoros moubata, immunized and non-immunized rabbits, no differences in weight gain and weights of replete ticks, course of drop off, and drop off and moulting rate; reaginic antibodies to soluble salivary gland antigen not demonstrable by passive cutaneous anaphylaxis test; intensive antibody formation occurred in immunized and non-immunized rabbits, enzyme-linked immunosorbent assay; no immunity to 2nd nymphal instars developed

Immunization
Chapman CB; Rajasekariah GR; Mitchell GF
1981 Am J Trop Med and Hyg 30 (5) Sept 1039-1042 Wa
Fasciola hepatica, mice and rats dosed with infective metacercariae of different single snail-derived clones and challenged with same or different clonal parasites, no better resistance seen with parasites of homologous clone than with heterologous clone challenge

Immunization
Chinchilla M; Guerrero OM; Portilla E
1980 Rev Biol Trop 28 (1) July 109-119 Issued Sept Wa
Leishmania mexicana, L. braziliensis, hamsters immunized with dead antigen and non-immunized hamsters, effect of treatment with cortisone and challenge with live parasites

Immunization
Chulay JD; Haynes JD; Diggs CL
1981 J Infect Dis 144 (3) Sept 270-278 Wa
Plasmodium falciparum in vitro used to detect inhibitory antibody in immune Aotus trivirgatus griseimembra serum and to compare in vitro inhibition with in vivo resistance to infection

Immunization
Corrier DE et al
1980 Am J Vet Research 41 (7) July 1062-1065 Wa
Anaplasma marginale, cattle, comparison of 3 methods of immunization and examination of postvaccinal effects

Immunization
Corrigall W; Easton JF; Hamilton WJ
1980 Vet Rec 106 (15) Apr 12 335-339 Wa
Dictyocaulus viviparus in Cervus elaphus (nat. and exper.), clinical observations, commercial vaccine (Dictol) and methods of treating clinical cases evaluated, post mortem findings: Glensaugh deer farm, Kincardineshire, Scotland

Immunization
Cox FEG
1980 Nature London (5754) 284 Mar 27 304-305 Wm
monoclonal antibodies and immunity to malaria, brief review

Immunization
Dada BJO; Belino ED
1981 Internat J Zoonoses 8 (1) June 20-25 Wm
Echinococcus granulosus, sheep (exper.), vaccination with heterologous larval antigen (Cysticercus tenuicollis) gave greater protection than vaccination with homologous or heterologous (Taenia hydatigena) adult antigen

Immunization
Dalgliesh RJ et al
1981 Austral Vet J 57 (1) Jan 8-11 Wa
Babesia bigemina, cattle, development of a highly infective vaccine of reduced virulence

Immunization
Davidson WR et al
1980 J Wildlife Dis 16 (4) Oct 499-508 Wa
Haemonchus contortus in Odocoileus virginianus, monthly (Oct.-Mar.) prevalence and intensity of infection in fawns and adults, haemonchosis /malnutrition syndrome, geographic distribution, worm recovery rates, prepatent periods, and egg production in immunized vs. nonimmunized deer exposed to challenge suggested a naturally-acquired immunity: Georgia; South Carolina; Florida

Immunization
Dean DA; Bukowski MA; Clark SS
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 113-120 Wa
Schistosoma mansoni, acquired resistance in infected or irradiated cercaria-immunized mice and in normal mice to which the former had been surgically joined (parabiotic partners), results provide evidence that resistance induced by normal infection and irradiated cercarial immunization differ in some fundamental way

Immunization
Dean DA; Cioli D; Bukowski MA
1981 Am J Trop Med and Hyg 30 (5) Sept 1026-1032 Wa
Schistosoma mansoni, mice, resistance induced by normal and irradiated worms, ability of various stages to serve as inducers and targets

Immunization
Deans JA; Cohen S
1979 Bull World Health Organ 57 suppl 1 93-100 Wa
Plasmodium knowlesi, localization and chemical characterization of schizont antigens, insight into types of preparative procedure appropriate for purification of functionally important malarial antigens

Immunization
Denham DA
1980 Internat J Nuclear Med and Biol 7 (2) 105-111 Wa
filarial infections, vaccination using radiation-attenuated vaccines, review

Immunization
De Rosa F et al
[1980] Riv Parassitol Roma 39 (2-3) 1978 205-212 Issued Jan Wa
echinococcosis, mice, preinjection of scolices and irradiated scolices partially inhibits secondary hydatid disease

Immunization
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1977 Ann Sclavo 19 (3) May-June 470-477 Wm
Echinococcus granulosus-infected BALB/C mice, vaccination using pool of hydatid fluids from bovine and ovine sources, some protective action

Immunization
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1980 Infect and Immun 27 (1) Jan 87-89 Wa
Plasmodium berghei, mice, effect of selenium and dimethyl dioctadecyl ammonium bromide on vaccine-induced immunity

Immunization
Despommier DD
1981 Parasite Immunol 3 (3) Autumn 261-272 Wm
Trichinella spiralis, protection-inducing antigens from muscle larva, partial purification and characterization by molecular sizing chromatography and preparative flatbed isoelectric focusing

Immunization
Despommier DD; Laccetti A
1981 Exper Parasitol 51 (2) Apr 279-295 Wa
Trichinella spiralis, proteins and antigens isolated from large-particle fraction derived from muscle larva, characterization using variety of standard chemical and immunological procedures, ability to induce protection in mice

Immunization
Despommier DD; Laccetti A
1981 J Parasitol 67 (3) June 332-339 Wa
Trichinella spiralis, partial characterization of antigens isolated by immuno-affinity chromatography from large-particle fraction of muscle larvae, protection of mice by immunizing with different fractions

Immunization
DeVaney JA; Ziprin RL
1980 Poultry Science 59 (8) Aug 1742-1744 Wa
Ornithonyssus sylviarum-infested and -reinfested White Leghorn hens (exper.), degree and duration of acquired immunity related to initial level of infestation

Immunization
Dineen JK
1978 Epidemiol and Control Gastrointest Parasites Sheep Australia 121-135 Wa
gastrointestinal helminths, sheep, general nature and characteristics of immunity, manifestations of resistance, present situation and future prospects of vaccination, review: Australia

Immunization
Dineen JK; Windon RG
1980 Internat J Parasitol 10 (3) June 189-196 Wa
Trichostrongylus colubriformis, effect of sire selection on response of lambs to vaccination with irradiated larvae

Immunization
Dineen JK; Windon RG
1980 Internat J Parasitol 10 (4) Aug 249-252 Wa
Trichostrongylus colubriformis challenge of lambs (vaccinated responders and non-responders and unvaccinated controls), effects of immune response(s) on parasite as measured by worm counts, worm lengths, numbers of eggs in utero, and male/female sex ratios

Immunization
Dolan TT et al
1980 Vet Parasitol 6 (4) Mar 325-332 Wa
East Coast fever, protection of Bos taurus immunized with combination of theilerial strains and simultaneously treated with single dose of long-acting tetracycline

Immunization
Dolan TT; Brown CGD; Cunningham MP
1980 Research Vet Sc 28 (1) Jan 132-133 Wa
Theileria parva, failure of Calmette-Guerin (BCG) organisms to protect cattle suggests that the host response to this non-specific immunization is poorly developed

Immunization
Downey NE
1980 Vet Rec 107 (12) Sept 20 271-275 Wa
Dictyocaulus viviparus, calves (exper.), levamisole, fenbendazole, effect against primary infection and host resistance to reinfection

Immunization
Doy TG; Hughes DL; Harness E
1981 Parasite Immunol 3 (2) Summer 171-180 Wa
Fasciola hepatica, rats, heterologous protection against challenge by prior infection with Nippostrongylus brasiliensis, resistance appeared to be associated with prior induction of intestinal eosinophilia

Immunization
Dubey JP
1981 Am J Vet Research 42 (5) May 800-804 Wa
Sarcocystis sp., similar to S. capracanis, dairy goats, immunization trials using various doses of sporocysts

Immunization
Dutta GP; Singh PP
1980 Indian J Med Research 72 July 23-32 Wa
Plasmodium knowlesi, rhesus monkeys, immune status after curative or suppressive/subcurative chloroquine therapy

Immunization
El-Hawey AM et al
1978 J Egypt Med Ass 61 (5-6) 433-448 Wm
S[chistosoma] mansoni, chronic infection in Swiss albino mice, intravenous inoculation of live bacillus Calmette Guerin (BCG) vaccine produced nonspecific stimulation of cellular immunity, immunoprotection against S. mansoni infection, and enhancement of healing of bilharzial hepatic granulomas

Immunization
Emery DL et al
1981 Immunology 43 (2) June 323-336 Wa
Theileria parva, cell-mediated immune responses during immunization and lethal or sub-lethal infections in cattle, mixed lymphocyte reactions, cell-mediated lympholysis

Immunization
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1980 Exper Parasitol 50 (3) Dec 358-368 Wa
Trypanosoma congolense, specific transformation in vitro of leukocytes from infected or immunized cattle

Immunization
Esteva M et al
1980 Medicina Buenos Aires 40 Suppl (1) 257 Wm
Trypanosoma cruzi, mice, immunoprotective effect of flagellar fraction obtained from different homogenates

Immunization
Ey PL; Prowse SJ; Jenkin CR
1981 Exper Parasitol 52 (1) Aug 69-76 Wa
Heligmosomoides polygyrus, simple method for recovery of post-infective larvae from mouse intestines: recovery of emergent larvae at different times after infection, relationship to dose, rate of emergence during incubation, recovery of larvae from immunized mice, viability of emergent larvae

Immunization
Ferrante A; Thong YH
1980 Immunol Letters 2 (1) Aug 37-41 Wm
Naegleria fowleri, immunized and non-immunized mice, accumulation of neutrophils and macrophages, unique phagocytic process in neutrophil-mediated killing of amoeba

Immunization
Flisser A; Perez-Montfort R; Larralde C
1979 Bull World Health Organ 57 (5) 839-856 Wa
Taenia spp., immunology of human and animal cysticercosis, review

Immunization
Francis DH; Buening GM; Amerault TE
1980 Am J Vet Research 41 (3) Mar 362-367 Wa
Anaplasma marginale, cattle, evaluation of potential of dodecanoic acid conjugation of vaccines in limiting isoimmune response; characterization of humoral immune responses to Anaplasma and erythrocyte components of Anaplasma vaccine

Immunization
Francis DH; Buening GM; Amerault TE
1980 Am J Vet Research 41 (3) Mar 368-371 Wa
Anaplasma marginale, cattle, evaluation of immune response and protective capacity of dodecanoic acid-conjugated vaccines; influence of erythrocyte antigens associated with anaplasma vaccine on in vivo and in vitro measurements used to evaluate cell-mediated response to A. marginale

Immunization
Fujisaki K; Takeuchi S; Kitaoka S
1980 Japan J Vet Sc 42 (5) Oct 587-593 Wa
Haemaphysalis longicornis, rabbits repeatedly infested with female ticks, development of acquired resistance and production of precipitating and complement-fixing antibodies

Immunization
Furukawa T; Niwa A; Miyazato T
1981 Internat J Parasitol 11 (4) Aug 287-300 Wa
Hymenolepis nana, structural changes of oncosphere associated with postembryonic development in unimmunized mice, damage to larvae possibly attributable to host immunity in immunized mice, ultrastructural level, interaction between host cells and parasite

Immunization
Gallie GJ; Sewell MMH
1981 Trop Animal Health and Prod 13 (3) Aug 147-154 Wa
Taenia saginata, calves, immunity to oral challenge following intramuscular inoculation with oncospheres, migration of parasites from inoculation sites; parenteral inoculation of calves by different routes and intramuscular inoculation of (previously orally infected or uninfected) adult cattle also studied; enzyme-linked immunosorbent assay more sensitive in detecting antibodies in infected calves than indirect haemagglutination test

Immunization
Gamal-Eddin FM; Aboul-Atta AM
1979 J Egypt Soc Parasitol 9 (2) Dec 505-540 Wa
infected snail hepatopancreas antigen, for active immunization against Schistosoma mansoni, with new records of abnormal morphogenesis and orientation mechanism among recovered worms

Immunization
Gass RF; Tanner M; Weiss N
1979 Ztschr Parasitenk 61 (1) 73-82 Wa
Dipetalonema viteae third-stage larvae, development within micropore chambers implanted into jirds, hamsters, normal and immunized mice; antibody production against cuticle and common antigens by immunized mice led to inhibited third- and fourth-stage larvae, increased larval mortality, and impaired larval motility

Immunization
Gemmell MA; Johnstone PD
1981 Research Vet Sc 30 (1) Jan 53-56 Wa
Taenia hydatigena, sheep, duration of acquired immunity to embryo, reorganizing larva, and metacestode in absence of further egg infections, confirmation that original and superimposed cyst populations can coexist

Immunization
Ghadirian E; Meerovitch E; Hartmann DP
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 779-784 Wa
Entamoeba histolytica, hamsters, protection against amebic liver abscess by immunization with amebic antigen and some of its fractions, splenomegaly found to accompany development of abscesses (high degree of correlation between weights of abscesses and of spleens), no correlation between anti-amebic antibody titers and gross pathology

Immunization
Giambrone JJ; Klesius PH
1980 Poultry Science 59 (8) Aug 1715-1721 Wa
Eimeria spp., correlation between resistance and delayed hypersensitivity reactions in chickens previously immunized by repeated infections with living parasites or CocciVac D; immunologic cross reactivity of E. tenella, E. necatrix, E. maxima, and E. bovis

Immunization
Giambrone JJ; Klesius PH; Edgar SA
1980 Poultry Science 59 (1) Jan 38-43 Wa
CocciVac D-immunized chickens, cell-mediated immune (CMI) response to challenge with Eimeria necatrix and E. tenella measured by delayed hypersensitivity wattle test and leukocyte stimulation, correlation of CMI with disease resistance

Immunization
Gill BS et al
1980 Research Vet Sc 29 (1) July 93-97 Wa
Theileria annulata, susceptible calves, immunological relationships among 5 Indian strains (virulence, protection against homologous and heterologous challenges)

Immunization
Gill BS; Bhattacharyulu Y; Kaur D
1977 Ann Soc Belge Med Trop 57 (6) Dec 557-567 Wa
Theileria annulata, calves (exper.), relationship between level of infection and severity of ensuing reaction, varying levels of Hyalomma dromedarii infestation, inoculation with tissue suspensions of pooled vs. individual ticks and of engorged vs. unengorged ticks, susceptibility of calves to challenge infection

Immunization
Gonzalez Cappa SM et al
[1981] J Protozool 27 (4) Nov 1980 467-471
Issued Mar 11 Wa
Trypanosoma cruzi, mice immunized with whole homogenate or flagellar fraction, relation of humoral antibody response to protection evaluated by direct agglutination and indirect fluorescent antibody test as well as by lytic and neutralizing activity against blood trypomastigotes, histopathology

Immunization
Goven AJ; De Buysscher EV
1980 J Parasitol 66 (2) Apr 346-347 Wa
Nematospiroides dubius, mice, immunization with double-emulsion adjuvant + parasite antigen

Immunization
Goven BA; Dawe DL; Gratzek JB
1980 J Fish Biol 17 (3) Sept 311-316 Wa
Ichthyophthirius multifiliis, immunization of Ictalurus punctatus using ciliary and whole cell antigens of I. multifiliis and Tetrahymena pyriformis, T. pyriformis ciliary antigens provided greatest degree of protection

Immunization
Goven BA; Dawe DL; Gratzek JB
1981 Aquaculture 23 (1-4) Apr 269-273 Wa
Ichthyophthirius multifiliis, protective immunity of Ictalurus punctatus against challenge infections by immunization with varying doses of Tetrahymena pyriformis ciliary antigen

Immunization
Grimwood BG
1980 Infect and Immun 28 (2) May 532-535 Wa
Toxoplasma gondii, infective trophozoites attenuated by ultraviolet irradiation, may be useful in vaccines

Immunization
Grothaus GD; Kreier JP
1980 Infect and Immun 28 (1) Apr 245-253 Wa
Plasmodium berghei, isolation of soluble component which induces immunity in rats

Immunization
Groupe de Travail Scientifique sur la Filariose
1981 Bull World Health Organ 59 (2) 205-212 Wa
Wuchereria bancrofti, Brugia malayi, B. timori, current knowledge on various aspects of immunodiagnosis, immunopathology, and immunization, review

Immunization
Grun JL; Weidanz WP
1981 Nature London (5802) 290 Mar 12 143-145 Wa
Plasmodium chabaudi adami infection in B-cell-deficient mice results in activation of T-cell-dependent immune mechanism which terminates acute malaria in similar way to that in immunologically intact mice, these immunized B-cell-deficient mice were resistant to homologous challenge and P. vinckei challenge but not to P. yoelii or P. berghei

Immunization
Gwadz RW et al
1979 Bull World Health Organ 57 suppl 1 165-173
Wa
Plasmodium knowlesi, vaccination of rhesus monkeys with irradiated sporozoites, antibody response; P. berghei, P. knowlesi, characterization of surface antigens

Immunization
Gwadz RW; Carter R; Green I
1979 Bull World Health Organ 57 suppl 1 175-180
Wa
malaria, gamete vaccines and transmission-blocking immunity, review

Immunization
Haas B; Wenk P
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 143-144 Wa
Litomosoides carinii, cotton-rats, turnover of microfilariae is more or less equal in both patent and immunized animals but in the latter nearly all microfilariae are eliminated before entering circulating blood so that patency is prevented

Immunization
Hafeez M; Rao BV
1981 J Helminth 55 (1) Mar 29-32 Wa
Cercariae indicae XXVI (Paramphistomum epiclitum), gamma-irradiated metacercariae, development and pathogenicity in lambs and kids, immunization of lambs and kids

Immunization
Hagan P et al
1981 Parasite Immunol 3 (2) Summer 149-156 Wa
Nematospiroides dubius, stimulation of immunity in mice using larvae attenuated by cobalt 60 irradiation

Immunization
Hajduk S; Vickerman K
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 145-146 Wa
Trypanosoma brucei, variable antigen types in metacyclic population and in first parasitaemia population in fly-bitten mice, conclusions of possible relevance to vaccination

Immunization
Hamburger J; Ben-Sasson SA
1981 Tropenmed u Parasitol 32 (1) Mar 43-47 Wa
Schistosoma mansoni, comparison of sera from chronically infected mice vs. sera from mice immunized with soluble worm antigen (antibody titers to unmodified and modified schistosomula in indirect fluorescent antibody test; passive protective activity; in vitro cytotoxic antibody activity); induction of antibodies by modified schistosomula, cross-testing of this antisera against modified and unmodified schistosomula

Immunization
Haroun EM; Hammond JA; Sewell MMH
1980 Research Vet Sc 29 (3) Nov 310-314 Wa
Fasciola hepatica, resistance in rats and rabbits following implantation of adult flukes contained in diffusion chambers

Immunization
Harris RE; Revfeim KJA; Heath DD
1980 J Hyg Cambridge 84 (3) June 389-404 Wa
Echinococcus granulosus, Taenia hydatigena, T. ovis, deterministic model to compare various control strategies for parasites having 2 hosts

Immunization
Heath DD; Lawrence SB
1981 Internat J Parasitol 11 (4) Aug 261-266 Wa
Echinococcus granulosus, effect of sera from sheep infected with or immunized against cysts or oncospheres and developing cysts grown in vitro, study also provides new information on early metamorphosis of oncosphere to developing cyst as well as modification of culture media of Heath & Lawrence (1976)

Immunization
Heath, DD; Lawrence SB; Yong WK
1979 Research Vet Sc 27 (2) Sept 210-212 Wa
Echinococcus granulosus, Taenia hydatigena, T. ovis, lambs, cross-protection from oral challenge with eggs from either homologous or heterologous species

Immunization
Heath DD; Parmeter SN; Osborn PJ
1980 Research Vet Sc 29 (3) Nov 388-389 Wa
Taenia hydatigena, dogs, immunization by macromolecular secretions from cultured worms resulted in high serum antibody titre to antigens but no immunity was induced to challenge infection

Immunization
Heller-Haupt A; Varma MRG; Langi AO
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 147-148 Wa
4 species of ixodid ticks on laboratory animals, acquired resistance to secondary infestation with same species but either partial or no resistance to infestation with another species

Immunization
Hendriks J; van Vliet G
1980 Tijdschr Diergeneesk 105 (18) Sept 15 764-770 Wa
lungworm vaccination in calves

Immunization
Herbert WJ; Joshua RA; White RG
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 149 Wa
Trypanosoma brucei in Gallus domesticus (exper.), course of infection, self-cure, subsequent immunity to challenges that contained many variable antigen types, may be useful model host

Immunization
Hillyer GV
1981 J Parasitol 67 (5) Oct 731-733 Wa
Schistosoma mansoni-infected mice develop resistance to infection with Fasciola hepatica

Immunization
Hinaidy HK
1981 Berl u Munchen Tierarztl Wchnschr 94 (7) Apr 1 121-125 Wa
Babesia divergens, cattle (nat. and exper.), immunization with formalin-killed vaccine showed highest immunogenicity in indirect fluorescent antibody test as compared with β-propiolactone- or with a lyophilized vaccine; effective immunization of cattle in endemic areas in Styria using formalin-vaccine

Immunization
Holbrook TW; Cook JA; Parker BW
1981 Infect and Immun 32 (2) May 542-546 Wa
Plasmodium berghei, mice, strong adjuvant effect of glucan injected simultaneously with killed erythrocytic stages of parasite

Immunization
Holbrook TW; Cook JA; Parker BW
1981 Am J Trop Med and Hyg 30 (4) July 762-768 Wa
Leishmania donovani, mice, immunization, glucan as adjuvant with killed promastigotes, glucan injected alone elicited lesser degree of (nonspecific) resistance

Immunization
Hsu HF; Hsu SYL; Eveland LK
1980 Chinese Med J 93 (5) May 297-312 Wm
schistosomiasis vaccination, historical development, present status and future prospects, extensive bibliography

Immunization
Hsu SYL; Hsu HF; Burmeister LF
1981 Exper Parasitol 52 (1) Aug 91-104 Wa
Schistosoma mansoni, mice, vaccination with highly x-irradiated cercariae, bioengineering method used to improve immunization effect, age susceptibility to infection and duration of acquired immunity also studied

Immunization
Hudson L
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 493-498 Wa
Trypanosoma cruzi, modelling the host and the parasite (in vivo and in vitro studies), immune response (immunity to infection, immunity and pathogenesis, immunization and immunoprophylaxis), monoclonal antibodies as immunological tools, review

Immunization
Hughes DL; Harness E; Doy TG
1981 Research Vet Sc 30 (1) Jan 93-98 Wa
Fasciola hepatica, rats, capability of different parasite stages to induce immunity, susceptibility of various stages to immunological attack

Immunization
Hughes HPA; Dixon B
1980 Ann Trop Med and Parasitol 74 (2) Apr 115-126 Wa
Plasmodium gallinaceum, chicks, vaccination by erythrocytic and exoerythrocytic parasites attenuated by gamma irradiation

Immunization
Hurley JC; Day KP; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (3) June 231-240 Wa
Nematospiroides dubius, accelerated rejection of intestinal worms in mice sensitized with adult worms or worm products by various routes, host age, sex, and strain as factors; some slight degree of cross-sensitization with Nippostrongylus brasiliensis

Immunization
Hussein MF
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 559-560 Wa
Schistosoma bovis, prospects for control in Sudanese cattle by vaccination, review

Immunization
Irvin AD; Boarer CDH
1980 Parasitology 80 (3) June 571-579 Wa
Theileria, implications of sexual cycle (taxonomy, genetics, practical implications, vaccination)

Immunization
Itaya T et al
1980 Internat Arch Allergy and Applied Immunol 62 (4) 389-396 Wm
suppressive effects of various adjuvants on IgE antibody response of mice when given at certain times before immunization, DNP-Ascaris used as antigen

Immunization
Ito A
1980 Exper Parasitol 49 (2) Apr 248-257 Wa
Hymenolepis nana in 2 different mouse strains, time lag prior to acquisition of late immune response directed against mouse-derived cysts, survival of worms in primary infections induced by eggs, mechanism of worm survival in immunized mouse host in relation to immunogenicity of cysts and adult worms

Immunization
Jagdish S; Singh DK; Gautam OP
1980 Indian Vet J 57 (2) Feb 177-178 Wa
Theileria annulata, calves (exper.), reverin, simultaneous infection and treatment protected against challenge infections

Immunization
Jain P; Sawhney S; Vinayak VK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 347-350 Wa
Entamoeba histolytica, guinea pigs immunized with low grade infection, protection against subsequent challenge, humoral (indirect haemagglutination and countercurrentimmunoelectrophoresis tests) and cell-mediated (macrophage migration inhibition test) immune responses in immunized and unimmunized animals

Immunization
James ER
1980 Internat J Nuclear Med and Biol 7 (2) 125-132 Wa
production and cryopreservation of schistosomula for use in vaccination, review

Immunization
James MA; Alger NE
1981 Internat J Parasitol 11 (3) June 217-220 Wm
Plasmodium berghei, mice, treatment with carrageenan (reported anti-macrophage agent) conferred partial immunity

Immunization
Jenkins DC; Carrington TS
1981 Parasitology 82 (2) Apr 311-318 Wa
Nematospiroides dubius, course of primary, secondary, and tertiary infections in high and low responder Biozzi mice, results imply that host antibodies play essential role in immunity to this parasite and that resistance cannot be attributed solely to non-specific macrophage activity or cell-mediated immune reactions

Immunization
Jenni L; Brun R
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 150-151 Wm
Trypanosoma brucei, in vitro cultures initiated with metacyclic forms, antigenic variation, immunization of mice

Immunization
Johnson RP; Chi LW
1981 Am J Trop Med and Hyg 30 (5) Sept 952-954 Wa
Trypanosoma brucei, mice, immunization, N-methyl-N'-nitro-N-nitrosoguanidine tested as attenuating agent

Immunization
Kaliraj P; Ghirnikar SN; Harinath BC
1981 Indian J Exper Biol 19 (3) Mar 287-288 Wa
Wuchereria bancrofti, rabbits, immune response to microfilarial antigen

Immunization
Kelly, JD; Campbell NJ
1979 Research Vet Sc 27 (2) Sept 205-209 Wa
Fasciola hepatica, rats, sheep, effect of route of infection on acquired resistance

Immunization
Kelly JD; Campbell NJ; Dineen JK
1980 Vet Parasitol 6 (4) Mar 359-367 Wa
Fasciola hepatica, rats, passage of juvenile flukes through gut was not essential for either acquisition or expression of acquired resistance

Immunization
Kierszenbaum F
1979 Tropenmed u Parasitol 30 (3) Sept 287-288 Wa
Trypanosoma cruzi, immunization, inherent difficulties of uniform comparative evaluation of antigenic preparations

Immunization
Kilejian A
1980 Am J Trop Med and Hyg 29 (5 pt 2) Sept 1125-1128 Wa
prospects and problems in use of recombinant DNA for production of malaria vaccine

Immunization
Kilejian A
1981 Exper Parasitol 52 (2) Oct 291 Wa
Plasmodium lophurae, immunogenicity of histidine-rich protein, response to McDonald, V.; et al., 1981, Exper. Parasitol., v. 51 (2), 195-203

Immunization
Knight RA
1980 Proc Helminth Soc Washington 47 (2) July 186-191 Issued Aug 25 Wa
Fasciola hepatica, response of lambs to challenge infections after repeated inoculations with cysts, no indication of resistance other than significantly small worms in repeatedly infected lambs

Immunization
Knopf PM; Cioli D
1980 Internat J Parasitol 10 (1) Feb 13-19 Wa
Schistosoma mansoni, rats, resistance to infection with cercariae induced by transfer of live adult worms, concurrent induction of peripheral eosinophilia and anti-worm antibodies correlated with induction of resistance

Immunization
Kuttler KL; Johnson LW
1980 Am J Vet Research 41 (4) Apr 536-538 Wa
Babesia bigemina, adult intact cattle, splenectomized calves, immunization with Freund's complete adjuvant-vaccine containing B. bigemina antigen

Immunization
Langhorne J et al
1979 Trop Dis Research Ser (1) 205-228 Wa
Plasmodium knowlesi, vaccination of previously splenectomized Macaca mulatta with merozoites, results of challenge infection; effects of splenectomy on clinical immunity of immunized M. mulatta and Callithrix jacchus which were previously resistant to repeated challenge infection; in vitro growth of parasites in presence of immune spleen cells from M. mulatta and M. fascicularis

Immunization
Leef JL; Strome CPA; Beaudoin RL
1979 Bull World Health Organ 57 suppl 1 87-91 Wa
Plasmodium berghei, low-temperature preservation of sporozoites, source of potential antigen in development of malaria vaccine

Immunization
Lelchuk R; Playfair JHL
1980 Clin and Exper Immunol 42 (3) Dec 428-435 Wa
Plasmodium berghei, P. yoelii, unvaccinated and vaccinated mice, non-specific immunosuppression, 2 distinct types, may be either harmful or beneficial to host depending on response concerned

Immunization
Leon LL et al
1980 Infect and Immun 27 (1) Jan 38-43 Wa
Trypanosoma cruzi epimastigotes, polyribosomal fraction, immunogenic and protective activity in mice

Immunization
Lewis D et al
1981 J Comp Path 91 (2) Apr 285-292 Wa
Babesia divergens, splenectomized calves (exper.), effect of imidocarb diproprionate prophylaxis on course of infection and on subsequent immunity to homologous challenge

Immunization
Lewis D; Purnell RE; Brocklesby DW
1980 Vet Parasitol 6 (4) Mar 297-303 Wa
Babesia divergens, intact calves, protection against challenge with heterologous strain by injection of irradiated piroplasms

Immunization
Licois D; Coudert P
1980 Ann Recherches Vet 11 (3) 273-278 Wa
Eimeria intestinalis, rabbits (exper.), immunization, unsuccessful attempts to suppress immunity using immunodepressors, an antibiotic, Escherichia coli, and Eimeria piriformis

Immunization
Litschgi MS et al
1980 Fortschr Med 98 (41) Nov 6 1624-1627 Wm
Trichomonas vaginalis, women, vaginal infections, Solcotrichovac vaccine therapy (contains inactivated Lactobacillus acidophilus)

Immunization
Lloyd S
1981 Parasitology 83 (1) Aug 225-242 Wa
progress in immunization against parasitic helminths (immunization with irradiation-attenuated helminths, with helminth extracts, and with in vitro-produced metabolites, isolation and characterization of functional antigens, non-specific immunization, heterologous immunization, oral immunization)

Immunization
Long E et al
1980 Parasitology 81 (2) Oct 355-371 Wa
Schistosoma mansoni, factors affecting acquisition of resistance in the mouse, effect of varying route and number of primary infections, correlation between size of primary infection and degree of resistance that is acquired

Immunization
Long PL; Johnson J; Reyna P
1980 Avian Dis 24 (2) Apr-June 435-445 Wa
Eimeria spp., broiler chicks (nat. and exper.), use of sentinel birds to monitor potential coccidial challenge, technique may be used to monitor effectiveness of anticoccidial drugs or the immune status of chickens

Immunization
Luther DG; Cox HU; Nelson WO
1980 Am J Vet Research 41 (12) Dec 2085-2086 Wa
anaplasmosis, comparisons of complement-fixation and card-agglutination tests with calf inoculations for detection of carriers in herd of cattle 15 months after discontinuing vaccination for anaplasmosis

Immunization
McDonald V et al
1981 Exper Parasitol 51 (2) Apr 195-203 Wa
Plasmodium lophurae, immunization of Pekin ducklings with different antigen preparations

Immunization
McDonald V; Sherman IW
1980 Clin and Exper Immunol 42 (3) Dec 421-427 Wa
Plasmodium chabaudi-immunized mice, lack of correlation between delayed-type hypersensitivity (DTH) and host resistance, DTH depression in immunized challenged mice coincided with steep rise in titre of malarial antibody

Immunization
McDonald V; Sherman IW
1980 Exper Parasitol 49 (3) June 442-454 Wa
Plasmodium chabaudi, mice, immunization, protection, humoral and cell-mediated responses, passive transfer experiments, depressed delayed-type hypersensitivity reactions but increased titers of malarial antibody after challenge

Immunization
McGowan MJ et al
1980 J Parasitol 66 (1) Feb 42-48 Wa
Amblyomma maculatum, performance of ticks fed on immunized vs. nonimmunized Oryctolagus cuniculi

Immunization
McGregor IA
1979 Bull World Health Organ 57 suppl 1 267-271 Wa
malaria, basic considerations concerning field trials of vaccines in human populations

Immunization
McHardy N; Elphick JP
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 670-671 Wa
Trypanosoma cruzi, establishment of persistent infection in vaccinated mice challenged with very low numbers of trypomastigotes

Immunization
Mahoney DF; Wright IG; Goodger BV
1980 Ztschr Parasitenk 62 (1) 39-45 Wa
Babesia bovis, changes in haemolytic activity of serum complement during acute infection of susceptible and immunized Bos taurus (exper.), activity of alternative pathways, effect of kinin inhibition

Immunization
Mahoney DF; Wright IG; Goodger BV
1981 Vet Immunol and Immunopath 2 (2) Apr 145-156 Wa
Babesia bovis, cattle, immunization with fractions of infected erythrocytes

Immunization
Majid AA et al
1980 Am J Trop Med and Hyg 29 (3) May 452-455 Wa
Schistosoma bovis, calves, field testing of irradiated schistosomula vaccine: Kosti, Sudan

Immunization
Malek EA
1981 Ztschr Parasitenk 65 (2) 137-142 Wa
Heterobilharzia americana, mice (exper.), challenge with Schistosoma mansoni at different time intervals, S. mansoni worm recovery rates and number of eggs deposited in host tissue, concluded that a patent infection with H. americana is necessary to confer immunity against challenge infection with S. mansoni

Immunization
Mao K et al
1980 Tung Wu Hsueh Pao (Acta Zool Sinica) 26 (2) June 160-164 Wa
Ascaris lumbricoides, immunization of white mice with $^{60}$Co irradiated infective ova

Immunization
Mehta K; Subrahmanyam D; Sindhu RK
1981 Acta Trop 38 (3) Sept 319-324 Wa
Litomosoides carinii, rats, efficacy of homogenates of different parasite developmental stages in conferring immunity to challenge infection

Immunization
Mendis KN; Targett GAT
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 158-159 Wa
Plasmodium yoelii, mice, immunization to produce transmission-blocking immunity, nature of anti-gamete immunity produced by vaccination, factors that determine infectivity of gametocytes in non-vaccinated animals

Immunization
Miller KL; Smithers SR
1980 Exper Parasitol 50 (2) Oct 212-221 Wa
Schistosoma mansoni, attrition of challenge infection in mice immunized with highly irradiated live cercariae

Immunization
Miller KL; Smithers SR; Sher A
1981 Parasite Immunol 3 (1) Spring 25-31 Wa
Schistosoma mansoni, response of immune mice to challenge infection which bypasses the skin, evidence for two mechanisms of immunity

Immunization
Minter-Goedbloed E
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 345-349 Wa
Trypanosoma b. brucei and T. b. rhodesiense in chickens infected as embryos or as adult birds, acquired resistance against reinfection, implications of findings with regard to potential role of chickens and other birds as reservoir hosts

Immunization
Miremad-Gassmann M
1981 Acta Trop 38 (2) June 137-147 Wa
Moniliformis moniliformis, antigenic analysis of metabolic and somatic antigens, localization of antigens, IgG antibody response in primary infections and reinfections in Rattus norvegicus, modification of antigens during infection, worm expulsion (after 4 weeks in female hosts and 8 weeks in male hosts), resistance to reinfection

Immunization
Mitchell GBB; Armour J
1980 Research Vet Sc 29 (3) Nov 373-377 Wa
Taenia saginata, failure to protect calves using antigens prepared from in vitro cultivation of larval stage

Immunization
Mitchell GBB; Armour J
1981 Research Vet Sc 30 (3) May 343-348 Wa
Fasciola hepatica, sheep, effect of prior nematode and cestode infection on course of infection, investigation of cross-immunizing properties of these parasites per se and modification of any protective effect conferred by immunomodulatory compound levamisole

Immunization
Mitchell GF; Curtis JM; Handman E
1981 Austral J Exper Biol and Med Sc 59 (5) Oct 555-565 Wa
Leishmania tropica, various means of increasing resistance to cutaneous leishmaniasis attempted in genetically susceptible BALB/c mice, aspects of mouse strain variation in susceptibility examined

Immunization
Mitchell GH et al
1979 Bull World Health Organ 57 suppl 1 189-197 Wa
Plasmodium knowlesi, vaccination of Macaca m. mulatta and M. fascicularis, investigation of nor-MDP, saponin, corynebacteria, and pertussis organisms as immunological adjuvants

Immunization
Mrema JEK et al
1979 Bull World Health Organ 57 suppl 1 63-68 Wa
Plasmodium falciparum, harvest of merozoites from continuous culture, implications for development of human malaria vaccine

Immunization
Mukerji K et al
1981 J Biosc 3 (1) Mar 77-82 Wa
Ascaris lumbricoides, guinea pigs, immunization, immediate hypersensitivity following challenge, characterization of cytotropic antibodies, skin tests in Ascaris-positive human subjects, concluded that guinea pig is suitable model for testing human Ascaris allergens

Immunization
Murphy JR
1981 Infect and Immun 33 (1) July 199-211 Wa
Plasmodium berghei, nonspecific resistance in some strain B6D2 (but not strain A or ICR) mice generated in response to Mycobacterium bovis infection or Corynebacterium parvum stimulation, protected mice have capacity to produce humoral factor with anti-P. berghei activity

Immunization
Murphy JR; Carter PB; MacDonald TT
1980 Infect and Immun 29 (2) Aug 827-830 Wa
Plasmodium berghei, failure of vaccination with formolized blood parasites to protect athymic nu/nu mice; course of infections in vaccinated-protected nu/+ mice varied markedly

Immunization
Murray M et al
1979 Acta Trop 36 (4) Dec 297-322 Wa
Nippostrongylus brasiliensis, rats, immunization with killed adult worm antigen, parameters which influence level of protection (use of adjuvant; dose of antigen; number of doses and interval between them; route of administration)

Immunization
Murrell KD
1980 Exper Parasitol 50 (3) Dec 417-425 Wa
Strongyloides ratti, resistance to challenge infection in previously infected rats, sites of elimination of migrating challenge worms in immunized rats, single vs. multiple immunizations with live larvae, immunization with heat-killed infective larvae, expulsion of adult worms from gut of resistant rats

Immunization
Mutinga MJ; Ngoka JM
1981 Insect Sc and Its Applic 1 (2) 207-210 Wa
Phlebotomus spp., bloodmeal analysis, examination for promastigotes, incidence of leishmania parasites in lizards, incidence of human kala-azar, possible role of vectors of lizard leishmaniasis in partial immunization of human population against L. donovani in kala-azar endemic areas: Kenya

Immunization
Nabih I
1981 Cellular and Molec Biol 27 (2-3) 279-282 Wa
Schistosoma mansoni, extract from chemically pretreated Biomphalaria snails protected mice from infection and caused destruction of infection in mice already infected

Immunization
Nantulya VM; Doyle JJ; Jenni L
1980 Parasitology 80 (1) Feb 133-137 Wa
Trypanosoma congolense, experimental immunization of mice against tsetse fly challenge

Immunization
Neal RA; Johnson P
1977 Acta Trop 34 (1) Mar 87-96 Wa
Trypanosoma cruzi, mice, immunization using killed antigens and with saponin as adjuvant

Immunization
Nussenzweig R
1980 Internat J Nuclear Med and Biol 7 (2) 89-96 Wa
malaria, use of radiation-attenuated sporozoites in immunoprophylaxis, review

Immunization
Nwaorgu OC; Connan RM
1980 J Helminth 54 (3) Sept 223-232 Wa
Strongyloides papillosus, migration in rabbits following infection by oral and subcutaneous routes; prolonged presence of larvae in muscles may be analogous to arrested development of other nematodes, immunity is unimportant factor in aetiology of arrested development in this case since deliberate immunization resulted in very few larvae in muscles upon challenge

Immunization
Oakley GA
1980 Vet Rec 107 (8) Aug 23 166-170 Wa
Dictyocaulus viviparus, calves (exper.), comparative efficacy of levamisole and diethylcarbamazine citrate and development of protective immunity following treatment

Immunization
O'Donnell IJ et al
1980 Austral J Biol Sc 33 (1) Mar 27-34 Wa
Lucilia cuprina, fly-struck sheep, serum IgG antibodies to larval antigens in solid-phase radioimmunoassay, more severe myiasis in previously struck vs. unstruck sheep when subjected to standard larval challenge, immunosuppressive therapy reduces extent of myiasis

Immunization
Ogunrinade A
1979 Research Vet Sc 27 (2) Sept 238-239 Wa
Fasciola gigantica irradiated at different doses, assessment of attenuation in hamsters

Immunization
Olds GR et al
1980 J Infect Dis 141 (4) Apr 473-478 Wa
Schistosoma mansoni, induction of resistance using synthetic adjuvants (natural cord factor and lower homologues), gives partial protection and enhances acquired immunity in mice with primary infections

Immunization
Olveda RM; Olds GR; Mahmoud AAF
1981 Am J Path (471) 104 (2) Aug 150-158 Wa
Schistosoma mansoni-infected and uninfected mice, quantification of pulmonary inflammatory response around schistosomula, correlation with acquired resistance, augmented inflammation and enhanced protection induced by prior sensitization with dead schistosomula or eggs and by adoptive transfer of serum, serum activity shown to reside in fraction containing $IgG_1$

Immunization
Onawunmi OA; Coles GC
1980 Research Vet Sc 29 (1) July 122-123 Wa
Taenia hydatigena, sheep, immunization with T. hydatigena oncosphere culture antigens

Immunization
Orjih AU; Cochrane AH; Nussenzweig RS
1981 Nature London (5813) 291 May 28-June 4 331-332 Wa
Plasmodium berghei, protection against sporozoite-induced infection of very young and adult mice immunized intramuscularly with radiation-attenuated sporozoites, protection against sporozoite-induced infection of infants born to and nursed by sporozoite-immunized adult female mice

Immunization
Orjih AU; Nussenzweig RS
1980 Am J Trop Med and Hyg 29 (3) May 343-347 Wa
Plasmodium berghei, mice, immunization with cryopreserved irradiated sporozoites

Immunization
Osaki H; Furuya M; Oka M
1979 Zentralbl Bakteriol 1 Abt Orig Reihe A 245 (1-2) Oct 254-261 Wa
Trypanosoma gambiense, immunogenicity and property of antigens obtained from infected mouse blood, resistance of immunized mice against challenge infections

Immunization
Osborn PJ; Heath DD; Parmeter SN
1981 Research Vet Sc 31 (1) July 90-92 Wa
Taenia ovis, lambs, immunization by injection of vaccine prepared from T. ovis eggs, significant degree of resistance to oral challenge

Immunization
Pacheco ND; McConnell E; Beaudoin RL
1979 Bull World Health Organ 57 suppl 1 159-163 Wa
Plasmodium berghei, mice, duration of immunity following single vaccination with irradiated sporozoites

Immunization
Paull NI; et al
1980 Austral Vet J 56 (6) June 267-271 Wa
Anaplasma marginale, Bos indicus-cross calves, epidemiologic aspects in 2 endemic areas, clinical, haematological, and serological responses in vaccinated and unprotected calves, seasonal activity of Boophilus microplus, complement fixation test most effective in detection of recent infections: northern Queensland

Immunization
Pauluzzi S et al
[1980] Riv Parassitol Roma 39 (2-3) 1978 213-217 Issued Jan Wa
Echinococcus granulosus, mice, immunogenic fractions of scolices used as vaccinating antigens

Immunization
Peresan G; Cioli D
1980 Am J Trop Med and Hyg 29 (6) Nov 1258-1262 Wa
Schistosoma mansoni, mice, resistance to cercarial challenge after adult worm transfer

Immunization
Phillips SM; Reid WA
1980 Internat J Nuclear Med and Biol 7 (2) 173-186 Wa
Schistosoma mansoni, rats, effect of exposure to various immunizing regimens upon subsequent resistance, studies on mechanism for development of optimal protective immunity

Immunization
Pipano E
1979 J South African Vet Ass 50 (4) Dec 332-333 Wa
Theileria annulata, in vitro cultivation of schizonts, use as cattle vaccine, some aspects of virulence and immunogenicity

Immunization
Pipano E et al
1981 Brit Vet J 137 (4) July-Aug 416-420 Wa
Theileria annulata, highly susceptible Israeli Friesian calves, immunization by infection-treatment method

Immunization
Playfair JHL
1979 Bull World Health Organ 57 suppl 1 245-246 Wa
Plasmodium yoelii, role of macrophages in lethal infection and in mice protected by immunization

Immunization
Powell C; Mathaba LT
1978 Med J Zambia 12 (3) June-July 67-69 Wm
T[rypanosoma] rhodesiense, sheep inoculated with homogenate vs. sheep inoculated with 'fraction 3', IgG and IgM antibody response, degree of immunoprotection against challenge with T[rypanosoma] vivax

Immunization
Powell RD
1979 Bull World Health Organ 57 suppl 1 273-275 Wa
malaria, considerations in vaccine development

Immunization
Purnell RE et al
1979 J South African Vet Ass 50 (4) Dec 339-344 Wa
Babesia divergens, isolation, cryopreservation, and characterisation of isolates, preparation of irradiated blood-derived vaccine, subsequent inoculation into calves produced immune response without pathogenic effects, field trials: British Isles

Immunization
Purnell RE et al
1981 Vet Rec 108 (2) Jan 10 28-31 Wa
Babesia divergens, calves inoculated with irradiated infected blood were completely protected against field challenge, clinical, serologic, and haematologic results: Dorset

Immunization
Purnell RE; Lewis D
1981 Research Vet Sc 30 (1) Jan 18-21 Wa
Babesia divergens, cattle, combination of dead and live parasites in irradiated vaccine

Immunization
Purnell RE; Lewis D; Young ER
1981 Vet Rec 108 (25) June 20 538-539 Wa
Babesia divergens, splenectomised calves, quinuronium sulphate inoculated at various times, animals resisted subsequent challenge but remained as carriers of the parasite

Immunization
Rajasekariah GR; Howell MJ
1980 Research Vet Sc 29 (1) July 124-125 Wa
Fasciola hepatica, rats, assay of glutamate dehydrogenase as measure of liver damage and hence of resistance to challenge infection

Immunization
Rajasekariah GR; Mitchell GF; Rickard MD
1980 Internat J Parasitol 10 (2) Apr 155-160 Wa
Taenia taeniaeformis, mice, protective immunization with oncospheres and their products

Immunization
Rajasekariah GR; Rickard MD; Mitchell GF
1980 Internat J Parasitol 10 (4) Aug 315-324 Wa
Taenia taeniaeformis, mice, immunization using various antigens prepared from eggs, oncospheres, developing larvae, and strobilocerci, effect of route of administration of antigen and of no adjuvant vs. various adjuvant preparations

Immunization
Rao YVBG et al
1980 Indian J Med Research 72 July 42-46 Wa
Litomosoides carinii, albino rats, immunization using irradiated larvae

Immunization
Rezai HR et al
1980 Acta Trop 37 (1) Mar 21-29 Wa
Toxoplasma gondii, mice, immunity induced by homologous and heterologous organisms

Immunization
Ribeiro RD et al
1980 Rev Brasil Biol 40 (1) Feb 51-58 Wa
Trypanosoma cruzi, 3 strains isolated from Callithrix jacchus were pathogenic for white mice, experimental infection of T[riatoma] infestans, T. vitriceps, and R[hodnius] neglectus, role of C. jacchus as wild reservoir; blood trypomastigotes of monkey strain not inactivated by normal human serum and cross immunity tests showed that mice recovered from infections with monkey strains had high resistance against re-infection by Y strain of T. cruzi: Estado de Bahia, Brasil

Immunization
Rickard MD; Arundel JH; Adolph AJ
1981 Research Vet Sc 30 (1) Jan 104-108 Wa
Taenia saginata, cattle, immunization, preliminary field trial using antigens collected during in vitro cultivation of T. saginata or T. hydatigena oncospheres

Immunization
Rickard MD; Brumley JL
1981 Research Vet Sc 30 (1) Jan 99-103 Wa
Taenia saginata, calves, immunization using antigens collected by in vitro incubation of T. saginata oncospheres or ultrasonic disintegration of T. saginata and T. hydatigena oncospheres

Immunization
Rieckmann KH et al
1979 Bull World Health Organ 57 suppl 1 139-151 Wa
Plasmodium knowlesi, rhesus monkeys, immunization with 3 nonviable blood-stage antigens, response to challenge, haematology, indirect fluorescent antibody test, IgG values, radioimmunoassay values, opsonization and merozoite inhibition tests, B and T cell values, lymphocyte transformation test, intradermal skin test

Immunization
Rieckmann KH et al
1979 Bull World Health Organ 57 suppl 1 261-265 Wa
Plasmodium falciparum, human volunteers bitten by irradiated infected Anopheles stephensi, successful protection against sporozoite challenge; unsuccessful with P. vivax

Immunization
Rodwell BJ; Timms P; Parker RJ
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 143-147 Wa
collection and sterilization of large volumes of bovine serum and its use in vaccines against bovine babesiosis and anaplasmosis

Immunization
Ross JG; Duncan JL; Halliday WG
1979 Research Vet Sc 27 (2) Sept 258-259 Wa
Haemonchus contortus, 4-and 7-month-old lambs, comparison of resistance conferred by irradiated larvae and transfer factor treatment

Immunization
Rothwell TLW
1981 J Parasitol 67 (4) Aug 592-593 Wa
Trichostrongylus colubriformis, lack of cross-protection in guinea pigs vaccinated with other Trichostrongylus spp. or other nematode genera, protection stimulated only by injection of antigens from homologous species

Immunization
Ruff MD; Chute MB
1980 Poultry Science 59 (4) Apr 697-701 Wa
Eimeria spp., Hubbard breeder pullets (exper.), interrelationship of feeding regimen (ad libitum vs. restricted), anticoccidial drug efficacy, and development of coccidial immunity

Immunization
Ryu E; Shaey KC
1980 Internat J Zoonoses 7 (2) Dec 101-106 Wm
Trypanosoma gambiense inactive vaccine treated with strong absorbent natural vs. artificially prepared zeolite, mice, vaccine prepared with artificial zeolite showed little protective effect

Immunization
Ryu E; Shaey KC
1981 Internat J Zoonoses 8 (1) June 91-96 Wm
Trypanosoma gambiense, inactivated vaccine treated with natural zeolite completely protected rabbits from challenge inoculation with homologous viable parasites, passive protection afforded to mice decreased slightly 1-2 weeks after immunization although agglutination titers of immune serum remained high

Immunization
Samantaray SN; Bhattacharyulu Y; Gill BS
1980 Internat J Parasitol 10 (5-6) Nov-Dec 355-358 Wa
Theileria annulata, calves, immunization with graded doses of sporozoites and irradiated sporozoites

Immunization
Sandeman RM; Howell MJ; Campbell NJ
1980 Research Vet Sc 29 (2) Sept 255-259 Wa
Fasciola hepatica, sheep vaccinated with juvenile fluke antigen sheep antibody complex, challenge infection, pronounced antibody response but no apparent effect on juvenile fluke migratory activity, autopsy showed no protection

Immunization
Scarpin M et al
1980 Rev Inst Med Trop S Paulo 22 (4) July-Aug 164-172 Wm
Schistosoma mansoni, rabbits immunized with saline extract of adult worms were totally or partially resistant to challenge infection; physico-chemical characterization of extract

Immunization
Schein E; Voigt WP
1979 Acta Trop 36 (4) Dec 391-394 Wa
Theileria annulata, T. parva, cattle, halofuginone highly effective, all treated animals were immune to challenge infection

Immunization
Scientific Working Group on the Immunology of Malaria
1981 Bull World Health Organ 59 (3) 371-381 Wa
Plasmodium spp., antigenic structure and related aspects of biology (production of monoclonal antibodies, cultivation techniques, antigen production for vaccine development and immunodiagnosis), review of current situation

Immunization
Searl RC
1980 Vet Med and Small Animal Clin 75 (1) Jan 101-104 Wa
use of Anaplasma vaccine related to neonatal isoerythrolysis in calves, recommendations for use of Anaplaz vaccine

Immunization
Sethi KK; Brandis H
1981 Ann Immunol 132C (1) Jan-Feb 29-41 Wa
Toxoplasma gondii, in vitro immunization of mouse spleen cells, isolation and cloning of hybridomas producing monoclonal antibodies following fusion of in vitro-immunized spleen cells with mouse myeloma cells, characterization of Ig class of antibody produced by hybridomas, reactivities of monoclonal antibodies in different serological assays

Immunization
Sharma P; Singh K; Dutta GP
1978 Indian J Med Research 67 Mar 374-380 Wa
Entamoeba histolytica, growth patterns in axenic culture using different sera; antisera produced in rabbits analyzed for gel-diffusion precipitin bands, haemagglutinins, and growth inhibitory activity against trophozoites

Immunization
Sharma RL; Dhar DN
1979 J Nuclear Agric and Biol 8 (4) Dec 146-149 Wa
Oesophagostomum columbianum, normal and gamma irradiated third stage larvae, infections of lambs, disease intensity related to infective dose size, adults found in mesentery as well as intestine, partial protection given by irradiated larvae

Immunization
Sharma RL; Dhar DN
1979 Ztschr Parasitenk 61 (1) 53-61 Wa
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Immunization
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1981 Exper Parasitol 52 (2) Oct 292-295 Wa
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Immunization
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1980 Parasitology 81 (3) Dec 525-535 Wa
Eimeria necatrix, development and characteristics of egg-adapted (attenuated) line, possible use in immunization

Immunization
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Eimeria maxima, chickens, antigenicity of parasite populations obtained from commercial farms, cross-immunity tests, results suggest that E. maxima does not normally undergo major changes in its antigenic composition and that a coccidiosis vaccine consisting of suitable number of strains could prove effective in individual houses over long period of time

Immunization
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1980 Ztschr Parasitenk 62 (1) 1-6 Wa
Myxobolus exiguus, lyophilized antigens injected into rabbits and Mugil cephalus, presence of antibodies in serum evaluated by several immunologic techniques

Immunization
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Immunization
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1979 Bull World Health Organ 57 suppl 1 75-82 Wa
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Immunization
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1979 Bull World Health Organ 57 suppl 1 199-203 Wa
Plasmodium falciparum, immunization of Aotus trivirgatus griseimembra, use of synthetic adjuvants

Immunization
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1981 Nature London (5793) 289 Jan 1-8 64-66 Wa
Plasmodium falciparum, use of synthetic adjuvant (CP-20,961) in effective vaccination of Aotus trivirgatus griseimembra against lethal infection

Immunization
Siebert AE jr; Good AH
1980 Exper Parasitol 50 (3) Dec 437-446 Wa
Taenia crassiceps, BALB/c and BDF1 mice, kinetics of primary and secondary infections in vivo, effect of immune serum on larvae in vitro, comparison with previous studies using C3H mice

Immunization
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1981 Vet Parasitol 8 (2) May 133-136 Wa
Babesia equi, donkeys, immunization using killed vaccine

Immunization
Sirag SB et al
1980 Parasitology 80 (3) June 479-486 Wa
Echinostoma revolutum, homologous and heterologous (Schistosoma spp.) resistance in infections in mice

Immunization
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1981 J Helminth 55 (1) Mar 63-70 Wa
Schistosoma bovis, calves harboring primary patent infections demonstrate substantial resistance to heterologous challenge with Fasciola hepatica

Immunization
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1980 Am J Vet Research 41 (12) Dec 1957-1965 Wa
Babesia bovis, B. bigemina, cattle, tick-borne exposure, clinical and pathologic responses, absence of significant heterologous species immunity, cross-reactivity in indirect fluorescent antibody test was restricted to period during and shortly after recovery

Immunization
Smith RD et al
1981 Science (4492) 212 Apr 17 335-338 Wa
Babesia bovis, protection of Bos taurus with culture-derived soluble antigen, evidence that soluble immunogen is merozoite surface coat antigen; B. bigemina-immune cattle are susceptible to B. bovis

Immunization
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1980 Research Vet Sc 29 (1) July 45-50 Wa
Haemonchus contortus, immunizing lambs with varying numbers of doses of irradiated larvae, or combining this vaccine with larval antigens and adjuvant, serum IgG. IgA and IgG in abomasal mucosa

Immunization
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1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 832-841 Wa
Schistosoma mansoni, mice, protective immunity, evidence for 2 distinct mechanisms, review

Immunization
Smrkovski LL
1981 Infect and Immun 31 (1) Jan 408-412 Wa
Plasmodium berghei, mice, effect of route of Mycobacterium bovis BCG administration on suppression of protective immune response to sporozoite vaccination, results suggest potential for multiple vaccine interference and that relationships between vaccines and multiple infections are deserving of special attention

Immunization
Smrkovski LL; Reed SG; Larson CL
1980 Am J Trop Med and Hyg 29 (1) Jan 16-20 Wa
Leishmania donovani, cortisone and cyclophosphamide suppress protective effects of BCG in mice challenged with amastigotes

Immunization
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1980 Rev Inst Med Trop S Paulo 22 (4) July-Aug 184-191 Wm
Herpetomonas samuelpessoai, extraction, purification, and characterization of exoantigen capable of immunizing mice challenged with Trypanosoma cruzi

Immunization
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1980 Parasite Immunol 2 (3) Autumn 163-174 Wa
Theileria parva, T. annulata, bovine lymphocyte antigens of bovine lymphocytes and derived lymphoblastoid lines transformed by parasites, implications of results as they relate to use of these cell lines in immunizing cattle

Immunization
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[1980] J Parasitol 65 (6) Dec 1979 862-869 Issued Apr 2 Wa
Biomphalaria glabrata embryo cell-line antigens ineffective as antischistosomal vaccine in mice

Immunization
Stek M jr et al
1981 Science (4502) 212 June 26 1518-1520 Wa
Schistosoma mansoni, immunization of Papio anubis with cercariae attenuated by gamma irradiation

Immunization
Stek M jr; Dean DA; Clark SS
1981 Am J Trop Med and Hyg 30 (5) Sept 1033-1038 Wa
Schistosoma mansoni, attrition of challenge worms in irradiation-attenuated cercaria-immunized mice as function of site and time

Immunization
Storey DM; Mettias EF
1980 Ann Trop Med and Parasitol 74 (2) Apr 211-218 Wa
Litomosoides carinii, suppression of microfilaraemia in infections in Sigmodon hispidus by vaccination with adult worm homogenate

Immunization
Strickland GT; Hunter KW
1980 Internat J Nuclear Med and Biol 7 (2) 133-140 Wa
malaria, vaccination, use of immunopotentiators, review

Immunization
Sturrock RF et al
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 834-835 Wa
Schistosoma haematobium, immunization of Papio anubis with irradiated cercariae or schistosomula

Immunization
Suzuki M et al
1980 Internat J Nuclear Med and Biol 7 (2) 141-148 Wa
Plasmodium berghei, mice, isolation of radiation-attenuated parasites and features of strain, effectiveness in producing immunity in host, immunopathologic reactions in infected or immunized animals, immunopathologic reactions in hosts infected with attenuated vs. original virulent parasite, review

Immunization
Tanner M; Weiss N
1981 Acta Trop 38 (3) Sept 325-328 Wa
Dipetalonema viteae, successful immunization of Meriones unguiculatus, unsuccessful immunization of hamsters; evidence for serum-dependent cytotoxicity against developing 3rd and 4th stage larvae in vitro

Immunization
Tanner M; Weiss N
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 173-174 Wa
Dipetalonema viteae, larval development in micropore chambers implanted into normal, infected, and immunized Meriones unguiculatus

Immunization
Tarleton RL; Kuhn RE; Cunningham DS
1981 Infect and Immun 31 (2) Feb 693-697 Wa
Trypanosoma cruzi, vaccination of highly susceptible C3H mice with mitomycin C-attenuated culture forms, induction of immunosuppression but not protection

Immunization
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1979 Bull World Health Organ 57 suppl 1 247-253 Wa
Plasmodium falciparum, cellular and humoral immune responses in Aotus trivirgatus following vaccination

Immunization
Taylor MG
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 563-564 Wa
schistosomiasis, prospects for development of vaccine for control of human infection, review

Immunization
Taylor MG; Bickle QD
1980 Internat J Nuclear Med and Biol 7 (2) 97-103 Wa
schistosomiasis, progress in development of radiation-attenuated vaccines, review

Immunization
Taylor RJ; McHardy N
1979 J South African Vet Ass 50 (4) Dec 326-329 Wa
Babesia bovis, B. bigemina, cattle, combined use of imidocarb and Babesia blood vaccine for controlling post-vaccinal reactions without loss of immunity

Immunization
Taylor SM et al
1980 Vet Rec 106 (8) Feb 23 167-170 Wa
Babesia divergens, cattle, immunization with irradiated infected blood, protection against high level challenge with infected Ixodes ricinus at field trial site: Northern Ireland

Immunization
Taylor SM et al
1980 Vet Rec 106 (17) Apr 26 385-387 Wa
Babesia divergens, cattle immunised with known strain of parasite and subsequently exposed to tick-induced challenge with heterologous strain were not clinically affected

Immunization
Techasoponmani R; Sirisinha S
1980 Parasitology 80 (3) June 457-469 Wa
Angiostrongylus cantonensis, rats, mice, immunization with excretory and secretory products from adult female worms, development of protective immunity, effect on worm development, immunological and biochemical characterization of antigen

Immunization
Teixeira ARL
1979 Bull World Health Organ 57 (5) 697-710 Wa
Trypanosoma cruzi, humans, immune mechanisms, trends in immunological research, and prospects for immunoprophylaxis, review

Immunization
Terrientes ZI; Zeledon R
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 213-218 Wm
Leishmania hertigi live vaccine with complete Freunds adjuvant vs. L. hertigi extract with incomplete adjuvant, hamsters, challenge with L. mexicana or L. braziliensis; immunodiffusion or immunoelectrophoresis showed at least one common band between L. hertigi and the two human parasites

Immunization
Tetley L; Vickerman K; Moloo SK
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 409-414 Wa
Trypanosoma vivax, trypomastigote metacyclic stage, attachment to wall of hypopharynx in Glossina m. morsitans, absence of surface coat, implications for mechanism of antigenic variation in this species and vaccination of cattle against it

Immunization
Tewari HC et al
1980 Indian J Animal Sc 50 (7) July 584-585 Wa
Dictyocaulus filaria, sheep and goats, incidence; lambs vaccinated with radiation-attenuated D. filaria vaccine found free of infection during 6 month follow-up: Garhwal Hills, India

Immunization
Thompson JP et al
1981 J Parasitol 67 (5) Oct 728-730 Wa
Brugia malayi, efficient clearance of injected microfilariae in CBA/H mice in contrast to prolonged microfilaremia in CBA/N mice, CBA/N mice have delayed IgG and deficient IgM response in comparison to CBA/H mice, development of acquired resistance in CBA/H but not in CBA/N mice

Immunization
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1979 Ztschr Parasitenk 61 (1) 93-98 Wa
Fasciola hepatica, effect of BCG on resistance of rats to infection

Immunization
Thong YH et al
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 684-685 Wa
Naegleria fowleri, mice, immunization with culture supernatant

Immunization
Thong YH et al
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 570-576 Wa
Naegleria fowleri, mice, immunization with live amoebae, amoebic lysate, and culture supernatant, protective antigens are located mainly in high molecular weight fraction of culture supernatant

Immunization
Tomlinson MJ et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 219-230 Wm
Trypanosoma cruzi, dogs treated with irradiated parasites and challenged with virulent parasite strain vs. dogs receiving just challenge infection, serological and cardiac pathology

Immunization
Tribouley J; Tribouley-Duret J; Appriou M
1979 Compt Rend Soc Biol Paris 173 (6) 1046-1049 Wa
Schistosoma mansoni, rats, partial immunity to challenge after injection of S. mansoni antigen + Freund's incomplete adjuvant + muramyldipeptide

Immunization
Tribouley J; Tribouley-Duret J; Appriou M
1980 Ann Parasitol 55 (1) Jan-Feb 87-96 Wa
Schistosoma mansoni, mice, injection of B.C.G., increase of non-specific resistance, effect on larval migration, re-inoculation of B.C.G. results in immunostimulation which is more intense and appears earlier

Immunization
Urquhart GM
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 726-729 Wa
African trypanosomiasis in domestic animals, pathogenesis (anemia, tissue lesions, immunosuppression), immunology (prospects for vaccination, 'non-sterile immunity'), symposium presentation

Immunization
Urquhart GM
1980 Vet Parasitol 6 (1-3) Jan 217-239 Wa
application and potential of immunological methods for control of some parasitic diseases of domestic animals, review

Immunization
Urquhart GM et al
1981 Vet Rec 108 (9) Feb 28 180-182 Wa
Dictyocaulus viviparus, calves, levamisole or fenbendazole treatment followed by reinfection, clinical signs, worm burdens, pathology, incompletely developed immune response, concluded that any system of 'control' which depends on drug therapy and reinfection is unpredictable and that vaccination offers only effective method of prophylaxis

Immunization
Van Marck EAE; Vervoort T
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 666-667
Wa
Trypanosoma brucei brucei, mice vaccinated with purified variable antigen, detection of immunoglobulins, C3 fraction of complement, and trypanosome antigen in glomeruli, trypanosomal antigen is most probably deposited in immune complex form

Immunization
Vinayak VK; et al
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 483-487
Wa
Entamoeba histolytica, guinea-pigs, protective effects of crude and chromatographic fractions of axenic amoebic antigen, antibody response (indirect haemagglutination, counter-current immunoelectrophoresis)

Immunization
Vinayak VK et al
1981 Parasitology 82 (3) June 375-382 Wa
Ancylostoma caninum, pups, efficacies of 3 types of vaccine

Immunization
Viyanant V
1981 Southeast Asian J Trop Med and Pub Health 12 (2) June 194-199 Wa
Schistosoma mansoni, proteins from schistosomula stage divided into groups by molecular weight and used as antigens to immunize mice, animals immunized with 2 groups developed high degree of resistance

Immunization
Vizcaino O et al
1980 Am J Vet Research 41 (7) July 1066-1068 Wa
Anaplasma marginale, cattle, comparison of 3 methods of immunization and evaluation of protection afforded against field challenge exposure

Immunization
Weissberger H; Golenser J; Spira DT
1979 Bull World Health Organ 57 suppl 1 83 Wa
Plasmodium berghei, soluble antigens released in vitro from infected erythrocytes (1) induced specific transformation of nonadherent spleen lymphocytes of convalescent rats, (2) produced precipitation lines with antiplasmodial antibodies, and (3) immunized young rats against viable challenge

Immunization
Wellde BT et al
1981 Exper Parasitol 52 (2) Oct 219-232 Wa
Trypanosoma congolense, cattle, investigations of natural and acquired resistance with reference to age resistance, self-cure, chemotherapeutic cure, blood- vs. tsetse fly-induced infections, and challenge with homologous vs. heterologous strains

Immunization
Wellde BT; Diggs CL; Anderson S
1979 Bull World Health Organ 57 suppl 1 153-157
Wa
Plasmodium falciparum, immunization of Aotus trivirgatus with irradiated blood forms, haematological status of immunized monkeys

Immunization
Wernsdorfer WH
1979 Bull World Health Organ 57 suppl 1 11-15
Wa
programme of Scientific Working Group on Immunology of Malaria, UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases

Immunization
Wernsdorfer WH
1981 Bull World Health Organ 59 (3) 335-341 Wa
human malarias, prospects for the development of vaccines, review

Immunization
Wery M et al
1979 Ann Soc Belge Med Trop 59 (4) Dec 347-360
Wa
Plasmodium berghei berghei, successive waves of parasitaemia separated by subpatent periods observed in mice infected after immunization with P. berghei Anka parent lines or with clones derived from it, these recrudescences possibly caused by antigenic variants, suggests that acquired protective immunity (premunition) may not have the same efficiency against successive parasite populations occurring in the same animal, no difference could be demonstrated by immunofluorescence in the antigenicity of the different lines or clones used for immunization

Immunization
Wery M; Timperman G
1979 Ann Soc Belge Med Trop 59 (4) Dec 361-369
Wa
Plasmodium berghei cloned and uncloned lines, antigenic characterization of 4 recrudescences of parasitaemia using cross protection experiments in immunized mice, homologous challenges induced lower parasitaemia than did heterologous, antigenic variation may be responsible for intergroup differences which were higher than those between individual mice

Immunization
Wikel SK
1980 Ann Trop Med and Parasitol 74 (1) Feb 103-104 Wa
host resistance to tick-borne pathogens by virtue of resistance to tick infestation, experiments with Dermacentor andersoni-resistant and non-resistant rabbits using tick-borne bacterium Francisella tularensis

Immunization
Wikel SK
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 284-288 Wa
Dermacentor andersoni, guinea pigs, induction of host resistance to infestation with salivary gland antigen, potential for immunologic approach to vector control

Immunization
Willadsen P
1980 Advances Parasitol 18 293-313 Wa
immunity to ticks, review: expression of immunity; nature of immunological response (antibody and complement; delayed hypersensitivity; immediate hypersensitivity; cellular reactions); artificial immunization and nature of tick antigens

Immunization
Wilson AJ; Parker R; Trueman KF
1980 Vet Parasitol 7 (4) Dec 305-311 Wa
Anaplasma marginale, immunization of Bos indicus cross calves using living A. centrale or A. marginale

Immunization
Windon RG; Dineen JK
1981 Internat J Parasitol 11 (1) Feb 11-18 Wa
Trichostrongylus colubriformis, effect of selection of both sire and dam on response of $F_1$ generation lambs to vaccination with irradiated larvae, faecal egg counts, levels of complement-fixing antibody in serum, in vitro lymphocyte stimulation

Immunization
Windon RG; Dineen JK; Kelly JD
1980 Internat J Parasitol 10 (1) Feb 65-73 Wa
Trichostrongylus colubriformis, lambs, vaccination with irradiated larvae, dissociation into 'responders' and 'non-responders': response to primary sequential challenge, response to rechallenge with single dose, correlation between haemoglobin type and faecal egg counts during primary and secondary challenge, effect of vaccination and challenge on liveweight gain and wool growth

Immunization
Wood DE et al
1979 Bull World Health Organ 57 suppl 1 69-74 Wa
Plasmodium berghei, use of membrane screen filters in isolation of sporozoites from mosquitoes, implications for development of sporozoite vaccine

Immunization
Yazwinski TA et al
1980 J Animal Sc 51 (2) Aug 279-284 Wa
Haemonchus contortus, lambs (exper.), breed differences in resistance, effect of host breed and sex on their physiological responses when given sensitizing infections of larvae followed by challenge infection

Immunization
Yoshida N et al
1981 J Exper Med 154 (4) Oct 1 1225-1236 Wa
Plasmodium berghei, biosynthesis of Pb44 (protective antigen of sporozoites)

Immunization
Zahner H et al
1980 Ztschr Parasitenk 64 (1) 17-28 Wa
Capillaria hepatica in Mastomys natalensis (exper.), immunization with embryonated infective eggs, X-irradiated infective eggs, nonembryonated eggs, and soluble egg extracts, effect on worm reproductivity and on host immunity

Immunization
Zahner H; Geyer E; Rudolph R
1980 Zentralbl Vet Med Reihe B 27 (1) 36-46 Wa
Capillaria hepatica in Mastomys natalensis (exper.), granuloma formation around eggs in lung capillaries following intravenous injection of eggs in pre-sensitized vs. noninfected animals, degree of cellular reactions dependent upon stage of existing infection

Immunodiffusion *See* Immunity, Precipitation

Immunoelectrophoresis *See* Immunity, Precipitation

Immunofluorescence
Abdalla RE
1980 Ann Trop Med and Parasitol 74 (4) Aug 415-419 Wa
visceral leishmaniasis, human, serodiagnosis, immunofluorescence, immunodiffusion, counter-immunoelectrophoresis

Immunofluorescence
Al-Alousi TI; Latif BMA; Al-Shenawi FA
1980 Ann Trop Med and Parasitol 74 (5) Oct 503-506 Wa
leishmaniasis, children, diagnosis, indirect fluorescent antibody test using dried blood on filter paper, incidence in different provinces, age groups, and sexes: Iraq

Immunofluorescence
Ambroise-Thomas P et al
1980 Ann Biol Clin 38 (5) 315-319 Wm
toxoplasmosis, rheumatoid factors a cause of non-specific results in IgM antitoxoplasma fluorescent tests

Immunofluorescence
Ambroise-Thomas P; Desgeorges PT
1980 Bull Soc Path Exot 73 (1) Jan-Feb 89-99 Wa
Echinococcus granulosus, human, diagnostic value and limitations of micro-ELISA, test results compared with those using indirect agglutination and immunofluorescence

Immunofluorescence
Ambroise-Thomas P; Desgeorges PT; Bouttaz M
1980 Ann Soc Belge Med Trop 60 (1) Mar 47-60 Wa
fascioliasis, human and bovine, diagnosis by means of the enzyme-linked immunosorbent assay, detection of circulating antigens and antibodies, results compared favorably with those of the immunofluorescence and indirect haemagglutination tests

Immunofluorescence
Anderson JF; Magnarelli LA; Sulzer AJ
1980 Am J Vet Research 41 (12) Dec 2102-2105 Wa
Babesia gibsoni, dogs (nat. and exper.), diagnosis, indirect fluorescent antibody test, reciprocal titers of anti-B. gibsoni sera to homologous and heterologous Babesia antigens and to Plasmodium antigens

Immunofluorescence
Anderson JF; Magnarelli LA; Sulzer AJ
1981 J Parasitol 67 (3) 417-425 Wa
Babesia lotori sp.n. in Procyon lotor (erythrocytes) (nat. and exper.), parasitemia postsplenectomy, clinical data, indirect fluorescent antibody test, evidence for early infection in 3 young raccoons which had been naturally confined to nests in chimneys and were infested with Ixodes texanus; Dermacentor variabilis, I. dammini, and I. cookei also found on raccoons: Connecticut, USA

Immunofluorescence
Anthony RL; Christensen HA; Johnson CM
1980 Am J Trop Med and Hyg 29 (2) Mar 190-194 Wa
New World leishmaniasis, human, serodiagnosis, micro enzyme-linked immunosorbent assay with Leishmania braziliensis panamensis promastigote antigens, comparison with indirect immunofluorescence, unidirectional cross-reactivity with sera from Chagas' disease patients

Immunofluorescence
Applewhaite LM; Craig TM; Wagner GG
1981 Trop Animal Health and Prod 13 (1) Feb 13-18 Wa
Babesia bigemina, B. bovis, native and imported cattle, serological prevalence, comparison of indirect fluorescent antibody and complement fixation tests, effect of host age: Guyana

Immunofluorescence
Ardehali S et al
1980 Ann Trop Med and Parasitol 74 (4) Aug 439-445 Wa
cutaneous leishmaniasis, human, chronic (lupoid) form, clinical aspects, histology, skin tests with leishmanin and PPD, indirect fluorescent antibody and direct agglutination tests: Iran

Immunofluorescence
Aspoeck H
1980 Med Lab 33 (9) Sept 240-248 Wm
Toxoplasma, humans, diagnosis, immunological test comparisons (immunofluorescence, Sabin-Feldman dye test, complement fixation, indirect hemagglutination test)

Immunofluorescence
Auffray Baudet P; Sanchez Concheiro M; Dominguez Perez JR
1980 Rev Clin Espan 158 (5) Sept 15 197-201 Wm
Echinococcus granulosus, humans, diagnosis, fluorescent antibody technique, sensitive and simple test

Immunofluorescence
Balsari A et al
1980 J Clin Path 33 (7) July 640-643 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for antibody detection, comparison with other serodiagnostic tests

Immunofluorescence
Barrabes A et al
1980 Ann Parasitol 55 (6) Nov-Dec 671-677 Wa
Schistosoma mansoni, castrated female hamsters, effect of administration of estradiol, testosterone, or progesterone on intensity of parasitism and on rate of circulating antibodies (indirect immunofluorescence), no relationship between level of serum antibodies and number of worms

Immunofluorescence
Bawden MP et al
1979 Bull World Health Organ 57 suppl 1 205-209 Wa
Plasmodium berghei, rats, mice, vaccination with irradiated sporozoites, serological evaluation of the antigen and of antibody responses using indirect fluorescent antibody test

Immunofluorescence
Beckers A et al
1981 Ztschr Parasitenk 64 (3) 285-296 Wa
Trypanosoma brucei gambiense, 5 stocks from different endemic foci in Central Africa, differences in virulence to laboratory albino rats and white mice, parasitaemia and evolution of disease, indirect immunofluorescence, parasite distribution in various organs, symptoms and gross pathology

Immunofluorescence
Bernard S; Haase M; Guidot G
1980 Berl u Munchen Tierarztl Wchnschr 93 (24) Dec 15 482-485 Wa
trypanosomiasis, trypanotolerant and trypanosensitive cattle breeds, antibody survey using enzyme linked immunosorbent assay and indirect immunofluorescence, high percentage of serologically positive cattle does not correlate with results obtained by direct isolation of trypanosomes; ability of trypanotolerant breeds to limit number of parasites in blood stream cannot be correlated with the concentration of antibodies and must involve another unknown immune mechanism: Upper Volta

Immunofluorescence
Biggar RJ; Collins WE; Campbell CC
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 720-724 Wa
malaria, infants, frequency of transplacental malarial antibodies, their duration and protectiveness, clinical and serological response to primary infection, indirect immunofluorescent technique using antigens of Plasmodium falciparum, P. ovale, and P. malariae: Accra, Ghana

Immunofluorescence
Boczon K et al
1981 Tropenmed u Parasitol 32 (2) June 109-114 Wa
Trichinella spiralis, human, diagnosis, evaluation of enzymatic and immunological tests (activity of LDH and its isozymic fractions; indirect immunofluorescence test; latex agglutination test; bentonite flocculation test)

Immunofluorescence
Broadbent EJ; Ross R; Hurley R
1981 J Clin Path 34 (6) June 659-664 Wa
Toxoplasma gondii, prevalence of antibody in pregnant women evaluated by age groups, dietary habits, and history of animal contact; indirect haemagglutination antibody test vs. indirect fluorescent antibody test

Immunofluorescence
Cacciapuoti B et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31, 121-128 Wa
Toxoplasma, prevalence of infection in mothers in labor and their newborn babies vs. prevalence of antitoxoplasma antibodies (indirect immunofluorescence and modified complement fixation tests) in the same pairs, hypothesis of long-lasting passive congenital immunity to Toxoplasma infection: Bergamo, Italy

Immunofluorescence
Cailliez M et al
1979 Nouv Presse Med 8 (7) Feb 10 522-523 Wm
human African trypanosomiasis, immunoenzymological diagnostic tests vs. indirect immunofluorescence

Immunofluorescence
Callow LL et al
1979 Austral Vet J 55 (12) Dec 555-559 Wa
Babesia equi, horses, evaluation of indirect fluorescent antibody test, diagnosis; cross-reactivity between B. equi and B. bovis of cattle suggested that B. bovis would not interfere with test for B. equi, but that reverse was possible

Immunofluorescence
Callow LL; Kanhai GK; Vandenberghe A
1981 Trop Animal Health and Prod 13 (2) May 79-82 Wa
Babesia bovis, demonstration of close serological relationship between strains occurring in Australia and Mozambique using indirect fluorescent antibody test, practical implication is that Australian vaccine should protect cattle being introduced into southern Africa from B. bovis-free environments

Immunofluorescence
Campbell CC; Martinez JM; Collins WE
1980 Am J Trop Med and Hyg 29 (2) Mar 151-157 Wa
Plasmodium falciparum, P. vivax, longitudinal study of 113 women and their newborns to estimate malaria incidence and indirect fluorescent antibody response to infection, depressed IFA response to P. falciparum in 3rd trimester of pregnancy, limited transplacental immunization of newborns, appears that passive immunity can exert little effect on incidence of infant malaria: coastal El Salvador

Immunofluorescence
Carlier Y et al
1980 Bull World Health Organ 58 (1) 99-105 Wa
Toxoplasma gondii, humans, diagnosis, evaluation of the enzyme-linked immunosorbent assay and other serological tests, techniques and sera evaluated in 3 different laboratories

Immunofluorescence
Carroll SM; Karthigasu KT; Grove DI
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 706-709 Wa
Strongyloides stercoralis, human, serodiagnosis, enzyme-linked immunosorbent assay with S. ratti antigen, comparison with indirect immunofluorescent assay

Immunofluorescence
Caruana LB
1980 Am J Med Tech 46 (6) June 386-391 Wa
Toxoplasma gondii, indirect hemagglutination test (IHA) compared qualitatively and quantitatively to indirect fluorescent antibody test (IFA) for detection of antibodies, IHA technique recommended over IFA for mass screening

Immunofluorescence
Cerna Z
1970 Folia Parasitol 17 (2) 135-140 Issued June Wa
Eimeria spp., specificity of serous antibodies, cross-reactions of each species against homologous antigen and heterologous antigens using indirect fluorescence antibody reaction

Immunofluorescence
Chabasse D et al
1980 Bull Soc Path Exot 73 (2) Mar-Apr 150-155 Wa
positive immunofluorescence test for amoebiasis in man with serologically and clinically proven brucellosis, possibly a false-positive reaction as no clinical evidence of amoebiasis could be found

Immunofluorescence
Cho KM; Soh CT
1974 Yonsei Rep Trop Med 5 (1) Nov 45-55 Wm
Clonorchis sinensis, human sera, diagnosis, evaluation of the indirect fluorescent antibody test using adult worm antigen

Immunofluorescence
Cho KM; Soh CT
1976 Yonsei Rep Trop Med 7 (1) Nov 26-39 Wm
Paragonimus westermani, Clonorchis sinensis, human serum, diagnosis, indirect fluorescent antibody test

Immunofluorescence
Colin M et al
1980 Ann Dermat et Venereol 107 (8-9) Aug-Sept 759-767 Wm
Schistosoma mansoni, S. haematobium, humans, cutaneous localization, granulomatous papular lesions containing eggs, diagnosis by lesion biopsy and immunofluorescence: endemic areas of Ivory Coast

Immunofluorescence
Collins GH; Sutton RH; Charleston WAG
1980 N Zealand Vet J 28 (8) Aug 156-158 Wa
Sarcocystis sp. in goats infected with dog-derived sporocysts, haematology, indirect fluorescent antibody test, pathology

Immunofluorescence
Collins WE et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1220-1222 Wa
Onchocerca volvulus, human, indirect fluorescent antibody test using fixed-tissue sections of adult worms as antigen, antibody responses in relation to host age, sex, presence or absence of microfilariae, and microfilarial density, application in epidemiological studies appears limited until level of false negative responses is markedly reduced: Guatemala

Immunofluorescence
Cox JC; Horsburgh R; Pye D
1981 Lab Animals 15 (1) Jan 41-43 Wa
Encephalitozoon cuniculi, rabbits, serodiagnosis, enzyme immunoassay, comparison with indirect immunofluorescence test

Immunofluorescence
Culbertson CG; Harper K
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 785-794 Wa
Naegleria fowleri, Acanthamoeba culbertsoni, Entamoeba histolytica, immune reactions between specific antisera, formalinized stained protein A staphylococci, and pathogenic live amebic trophozoites, comparison of this new technique (coagglutination tests) with immunofluorescence for amebic identification and measurement of serum antibody

Immunofluorescence
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1980 Ztschr Parasitenk 64 (1) 65-75 Wa
Schistosoma mansoni, immunofluorescent antibody reaction and enzyme-linked immunosorbent assay compared for demonstration of antibodies against schistosome gut-associated polysaccharide antigens

Immunofluorescence
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Schistosoma mansoni, humans, immunodiagnosis of recently acquired infection, comparison of various immunological techniques

Immunofluorescence
Delmont J et al
1979 Bull Soc Path Exot 72 (3) May-June 222-231 Wa
Plasmodium spp., Europeans who had been living in endemic areas of Africa, analysis of fluorescent antibodies in serum, useful in evaluating success of chemoprophylaxis, detecting infections in potential blood donors, and in evaluating febrile illnesses

Immunofluorescence
Derouin F et al
1980 Path Biol 28 (7) Sept 465-468 Wa
schistosomiasis, human, enzyme-linked immunosorbent assay using Schistosoma mansoni antigens, false positive reactions with certain other parasitic and non-parasitic diseases, comparison with immunofluorescence and immunoenzymology done on adult sections

Immunofluorescence
Dissanayake S; Ismail MM
1980 Bull World Health Organ 58 (4) 649-654 Wa
Setaria digitata antigens, characterization, cross-reaction with surface antigens of Wuchereria bancrofti microfilariae and serum antibodies of W. bancrofti-infected subjects demonstrated with inhibition of indirect immunofluorescence and enzyme-linked immunosorbent asssy technique respectively

Immunofluorescence
Dissanayake S; de Silva LVK; Ismail MM
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 542-544 Wa
Wuchereria bancrofti, human, antifilarial antibody in maternal and umbilical cord blood determined by indirect immunofluorescence, enzyme-linked immunosorbent assay, and radioimmunoassay, antibodies were predominantly of IgG type presumably passively transferred from mother, specific IgM antibody detected in some cord blood samples probably in response to transplacental transfer of filarial antigens: Sri Lanka

Immunofluorescence
Doffoel M et al
1980 Semaine Hop Paris 56 (15-16) Apr 18-25 788-790 Wm
Toxoplasma gondii, 28-year-old man, case report, acquired infection with meningoencephalitis, diagnosis by fluorescent antibody analysis of cerebrospinal fluid

Immunofluorescence
Donnelly J et al
1980 Trop Animal Health and Prod 12 (1) Feb 50-60 Wa
Babesia equi, B. caballi, horses, comparison of complement fixation and immunofluorescent antibody tests in prevalence survey; presence of tick vectors: Sultanate of Oman

Immunofluorescence
Donnelly J; Joyner LP; Frank C
1980 Trop Animal Health and Prod 12 (4) Nov 253-258 Wa
Babesia equi, B. caballi, prevalence in horses, comparison of complement fixation and indirect fluorescent antibody tests; Hyalomma anatolicum anatolicum present: Kuwait

Immunofluorescence
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1980 Brit Med J (6231) 280 June 28 1575-1576 Wa
Plasmodium spp., residents and immigrants with known infections, evaluation of usefulness of retrospective diagnosis using the indirect immunofluorescence antibody test

Immunofluorescence
Druilhe P et al
1980 Ann Soc Belge Med Trop 60 (4) Dec 349-354 Wa
Plasmodium cynomolgi bastianellii, accidental infection of 2 laboratory workers, case reviews, usefulness of fluorescent antibody test and counterimmunoelectrophoresis in differentiating Plasmodium species

Immunofluorescence
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1981 Parasitology 82 (1) Feb 1-10 Wa
Fasciola hepatica, interaction in vitro between juvenile flukes and bovine immunoglobulins directed against fluke outer glycocalyx, indirect fluorescent antibody assay

Immunofluorescence
Duffus WPH; Wagner GG
1980 Vet Parasitol 6 (4) Mar 313-324 Wa
Theileria parva, cattle (nat. and exper.), immunodiagnosis, comparison of 5 serological tests using piroplasm antigen (indirect fluorescent antibody, indirect haemagglutination, complement fixation, capillary agglutination, and immunodiffusion)

Immunofluorescence
Dutta SN; Diesfeld HJ
1978 Indian J Med Research 67 Apr 553-561 Wa
W[uchereria] bancrofti, human, indirect immunofluorescent test using Dipetalonema viteae antigen, titres in relation to microfilarial density and host age and sex, comparison of subjects from non-endemic area with those from endemic area around Dhanbad coalmines

Immunofluorescence
Edrissian GH et al
1981 Ann Trop Med and Parasitol 75 (1) Feb 19-24 Wa
cutaneous and visceral leishmaniasis, human, serodiagnosis, indirect fluorescent antibody test using Leishmania infantum as antigen: Iran

Immunofluorescence
Fasan PO et al
1976 African J Med and Med Sc 5 (2) June 149-153 Wm
Plasmodium falciparum, sera from Nigerian students residing in the United States, persistence of high titers in indirect fluorescent and haemagglutination antibody tests: Washington D.C.

Immunofluorescence
Felgner P et al
1981 Tropenmed u Parasitol 32 (3) Sept 134-140 Wa
Trypanosoma brucei gambiense, human, prevalence by age and sex, parasitological examination (hematocrit centrifugation technique, subinoculation into Mastomys natalensis, miniature anion exchange centrifugation method), immunodiagnostic examination (enzyme-linked immunosorbent assay, indirect immunofluorescent test, radial immunodiffusion for IgM concentrations): Ivory Coast; Upper Volta

Immunofluorescence
Ferrucci M
1980 Quad Sclavo Diag Clin e Lab 16 (2) June 176-192 Wm
toxoplasmosis, humans, comparative review of currently used diagnostic tests

Immunofluorescence
Filice G et al
1981 Boll Ist Sieroterap Milanese 59 (6) 604-611 Wa
Toxoplasma gondii, mice experimentally infected with cystogenic strain, kinetics of IgM and IgG antibodies, dye test, indirect immunofluorescence test, indirect haemagglutination test, comparison with results of mouse inoculation tests

Immunofluorescence
Filice G et al
1981 Boll Ist Sieroterap Milanese 60 (2) May 31 129-136 Wa
toxoplasmosis, human, serological diagnosis, new complement fixation test compared with indirect immunofluorescence and indirect haemoagglutination tests

Immunofluorescence
Filice GA; Yeager AS; Remington JS
1980 J Clin Microbiol 12 (3) Sept 336-342 Wa
Toxoplasma gondii, patients with acquired toxoplasmosis, infants with congenital toxoplasmosis, diagnostic significance of IgM antibodies detected after separation of IgM from IgG antibodies, IgM-IFA test

Immunofluorescence
Fleury P et al
1980 J Franc Ophtal 3 (8-9) 503-506 Wm
Loa loa, ocular loaiasis in young woman after camping trip in Equatorial Africa, case report, clinical aspects, diethylcarbamazine therapy, importance of immunological diagnostic techniques: France

Immunofluorescence
Franco EL et al
1980 J Clin Microbiol 12 (6) Dec 780-784 Wa
Toxoplasma gondii IgG and IgM polar staining in indirect immunofluorescence test, prevalence of positive reactions in sera of patients with Trypanosoma cruzi, Leishmania donovani, and L. braziliensis

Immunofluorescence
Frezil JL; Coulm J; Alary JC
1978 Bull Soc Path Exot 71 (6) Nov-Dec 440-445 Wa
Trypanosoma gambiense, humans, prognosis and/or cure evaluated by measuring fluorescent antibodies in serum and spinal fluid

Immunofluorescence
Fuchs AP et al
1980 Rev Inst Med Trop S Paulo 22 (5) Sept-Oct 242-245 Wm
T[rypanosoma] cruzi, Chagas disease patients, serological diagnostic test results compared (indirect immunofluorescence, indirect hemagglutination, complement fixation, ELISA) with clinical findings

Immunofluorescence
Fuchs V et al
1981 Ceskoslov Gynek 46 (1) Feb 7-11 Wm
pregnant women who had undergone amniocentesis for possible genetic problems of fetuses, serological diagnostic tests showed higher than average positive reactions for toxoplasmosis

Immunofluorescence
Fujinaga T; Minami T
1981 Vet Parasitol 8 (2) May 115-126 Wa
Theileria sergenti, Babesia ovata, cattle (exper.), relationships between parasitaemia, erythrocyte counts, indirect fluorescent antibody- and complement fixation-test titres, use of IFA and CF tests for serodiagnosis of natural infections of theileriosis and babesiosis in cattle in Japan

Immunofluorescence
Fujinaga T; Minami T; Ishihara T
1980 Research Vet Sc 29 (2) Sept 230-234 Wa
Babesia sp., large species from Japanese cattle, serological relationships with B. major (British and Dutch strains), B. bigemina (Kochinda strain) and B. bovis (Miyara strain), immunofluorescent antibody technique

Immunofluorescence
Fujisaki K; Takeuchi S; Kitaoka S
1981 Eisei Dobutsu (Japan J San Zool) 32 (1) Mar 15 1-6 Wa
Haemaphysalis longicornis, localization of antigenic substances in tick organs using rabbit antiserum in double gel-diffusion and indirect immunofluorescence tests, no resistance developed in rabbits

Immunofluorescence
Furtado T
1980 An Brasil Dermat 55 (2) Apr-June 81-86 Wm
American cutaneous leishmaniasis, human, diagnosis, review: detection of organisms, skin tests, complement fixation, indirect immunofluorescence

Immunofluorescence
Galbraith RM et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 52-60 Wa
Plasmodium falciparum, evaluation of several methods for recognition of pigment and parasites in human placenta

Immunofluorescence
Gallo D et al
1981 J Clin Microbiol 13 (4) Apr 631-636 Wm
multiple-antigen slide test for detection of IgM antibodies in newborn and infant sera by immunofluorescence, antigens are agents implicated in congenital and neonatal disease including Toxoplasma gondii

Immunofluorescence
Galvao VA
1979 Rev Inst Med Trop S Paulo 21 (5) Sept-Oct 231-236 Wm
Capillaria hepatica, children, diagnosis, immunofluorescence: Bahia, Brazil

Immunofluorescence
Ganguly NK et al
1981 Indian J Med Research 73 Suppl Jan 111-113 Wa
Giardia lamblia, humans, serodiagnosis, comparative evaluation of indirect haemagglutination and immunofluorescence tests

Immunofluorescence
Gardiner PR; Jones TW; Cunningham I
1980 J Protozool 27 (3) Aug 316-320 Issued Oct 9 Wa
Trypanosoma brucei, in vitro-produced metacyclics and blood stream infections initiated by them in mice, antigenic analysis by indirect fluorescent antibody test

Immunofluorescence
Garin Y; Audouin J; Diebold J
1977 Arch Anat et Cytol Path 25 (4) 221-226 Wm
Toxoplasma lymphadenitis, humans, histopathological appearance, immunofluorescent study of lymph node biopsies

Immunofluorescence
Gillet J; Herman F
1977 Ann Soc Belge Med Trop 57 (6) Dec 593-595 Wa
P[lasmodium] falciparum, sampling, preservation, and transport of blood to be used as antigen in detection by fluorescent antibody test: provenance du Kivu (Republique du Zaire)

Immunofluorescence
Gilman R et al
1980 Gastroenterology 78 (3) Mar 435-439 Wa
Entamoeba histolytica, detection in rectal biopsies, comparison of direct and indirect fluorescent antibody techniques with 4 conventional stains

Immunofluorescence
Gittelman HJ et al
1981 J Clin Microbiol 13 (2) Feb 309-312 Wa
Dirofilaria immitis, dogs, serodiagnosis, quantitative automated fluorescent immunoassay technique compared with manual semi-quantitative enzyme-linked immunosorbent assay

Immunofluorescence
Gonzalez-Barranco D; Sandoval-Islas ME; Trujillo-Valdes VM
1978 Arch Invest Med 9 (1) 51-58 Wm
Taenia solium, humans, diagnosis of cysticercosis using immunofluorescence, useful as diagnostic aid and for mass surveys

Immunofluorescence
Gonzalez Cappa SM et al
[1981] J Protozool 27 (4) Nov 1980 467-471
Issued Mar 11 Wa
Trypanosoma cruzi, mice immunized with whole homogenate or flagellar fraction, relation of humoral antibody response to protection evaluated by direct agglutination and indirect fluorescent antibody test as well as by lytic and neutralizing activity against blood trypomastigotes, histopathology

Immunofluorescence
Gordon MA; Duncan RA; Kingsley LC
1981 J Clin Microbiol 13 (2) Feb 283-285 Wa
Toxoplasma gondii, human, serodiagnosis, automated immunofluorescence test compared to standard indirect fluorescent antibody method

Immunofluorescence
Goven BA; Dawe DL; Gratzek JB
1981 Develop and Comp Immunol 5 (2) Spring 283-289 Wa
Ichthyophthirius multifiliis, Tetrahymena pyriformis, in vitro demonstration of serological cross-reactivity (immobilization test, indirect fluorescent antibody staining, passive hemagglutination), results indicate antigenic relationship

Immunofluorescence
Gray MA et al
1980 Research Vet Sc 29 (3) Nov 360-366 Wa
Theileria parva, T. annulata, cattle, serodiagnosis, enzyme linked immunosorbent assay, comparison with indirect fluorescent antibody test, significant cross-reaction in ELISA with sera from calf infected with Babesia bigemina but not from animals infected with other Babesia spp. or Theileria spp.

Immunofluorescence
Grove DI; Blair AJ
1981 Am J Trop Med and Hyg 30 (2) Mar 344-349 Wa
strongyloidiasis, human, diagnosis, indirect immunofluorescent antibody assay using Strongyloides ratti and S. stercoralis larvae

Immunofluorescence
Guimaraes MCS et al
1981 Am J Trop Med and Hyg 30 (5) Sept 942-947 Wa
mucocutaneous leishmaniasis, kala-azar, and Chagas' disease sera tested in ELISA and immunofluorescence tests with Trypanosoma cruzi, Leishmania donovani, and L. braziliensis antigens, antigen obtained from live T. cruzi epimastigotes appears to be usable to distinguish between antibodies to T. cruzi and to Leishmania

Immunofluorescence
Gupta MM et al
1981 J Trop Med and Hyg 84 (4) Aug 165-170 Wa
Plasmodium falciparum prepared from in vitro continuous culture can be used as a source of antigen for use in the indirect haemagglutination and immunofluorescence antibody tests, applications for epidemiological evaluations and assessments

Immunofluorescence
Hamburger J; Ben-Sasson SA
1981 Tropenmed u Parasitol 32 (1) Mar 43-47 Wa
Schistosoma mansoni, comparison of sera from chronically infected mice vs. sera from mice immunized with soluble worm antigen (antibody titers to unmodified and modified schistosomula in indirect fluorescent antibody test; passive protective activity; in vitro cytotoxic antibody activity); induction of antibodies by modified schistosomula, cross-testing of this antisera against modified and unmodified schistosomula

Immunofluorescence
Hanna REB
1980 Exper Parasitol 50 (2) Oct 155-170 Wa
Fasciola hepatica, immunofluorescent study of antigenic changes in tegument during development in rat and sheep

Immunofluorescence
Hashemi-Fesharki R; Uilenberg G
1981 Vet Quart 3 (1) Jan 1-8 Wa
Babesia crassa n. sp., sheep, goat, serological and morphological comparisons with B. motasi and B. ovis, low pathogenicity

Immunofluorescence
Hashemi-Nasab A; Zadeh-Shirazi H
1980 J Trop Med and Hyg 83 (3) June 119-122 Wa
visceral leishmaniasis (kala-azar), 130 cases, age and sex distribution, clinical and haematological data, mortality rate, complications, response to therapy, use of immunofluorescence for diagnosis: Fars Province, Iran

Immunofluorescence
Hasslinger MA; Schwaerzler C
1980 Berl u Munchen Tierarztl Wchnschr 93 (7) Apr 1 132-135 Wa
Trichosomoides crassicauda, development and migration in rat, inability to penetrate diaplacental barrier, diagnosis by flotation of feces-urine mixture better than immunofluorescence technique, eggs resistant to disinfectants

Immunofluorescence
Henry MC et al
1981 Ann Soc Belge Med Trop 61 (1) Mar 79-92 Wa
Trypanosoma brucei gambiense, humans, evaluation of various field techniques used in diagnosis: Zaire

Immunofluorescence
Hess U; Froehlich A
1979 Tropenmed u Parasitol 30 (3) Sept 301-307 Wa
Entamoeba histolytica, identification of trophozoites in preserved stool specimens using indirect immunofluorescence

Immunofluorescence
Heyberger K et al
1979 Sborn Lekar 81 (11-12) Nov-Dec 347-348 Wm
toxoplasmosis, trichomoniasis, humans, diagnosis, leukocyte adherence inhibition test, results compare favorably with complement fixation and immunofluorescence tests

Immunofluorescence
Hickerton JP; Jones TW
1981 Ann Trop Med and Parasitol 75 (4) Aug 473-474 Wm
Babesia rodhaini, B. microti, B. muratovi (= Nuttallia musculi), serological differentiation with fluorescent antibody staining technique

Immunofluorescence
Hinaidy HK
1981 Berl u Munchen Tierarztl Wchnschr 94 (7) Apr 1 121-125 Wa
Babesia divergens, cattle (nat. and exper.), immunization with formalin-killed vaccine showed highest immunogenicity in indirect fluorescent antibody test as compared with β-propiolactone- or with a lyophilized vaccine; effective immunization of cattle in endemic areas in Styria using formalin-vaccine

Immunofluorescence
Hoerchner F; Bofenschen F; Zander B
1979 Tropenmed u Parasitol 30 (3) Sept 265-273 Wa
Trypanosoma b. brucei, T. congolense, T. vivax, serological differentiation, immunoperoxidase, immunofluorescence, immunoperoxidase-complement fixation, and immunofluorescence-complement fixation tests compared

Immunofluorescence
Hommel M; David PH
1981 Infect and Immun 33 (1) July 275-284 Wa
Plasmodium knowlesi, variant antigens demonstrated on schizont-infected erythrocytes but not on merozoites; techniques used include purification of merozoites, use of hyperimmune rabbit sera instead of monkey sera, schizont-infected cell agglutination test, indirect immunofluorescence antibody test, and electron microscopy with ferritin-labeled antibodies

Immunofluorescence
Hunter KW; et al
1980 J Immunol 125 (1) July 169-174 Wm
Plasmodium yoelii, mice, analysis of (parasitized and nonparasitized) erythrocyte surface-bound immunoglobulin by flow microfluorimetry, could contribute to development of anemia

Immunofluorescence
Hyde B; Burgett MW; Maggio ET
1980 Clin Chim Acta 103 (3) May 9 393-398 Wa
Toxoplasma gondii, solid-phase fluoroimmunoassay for detection and quantitation of human anti-Toxoplasma antibodies

Immunofluorescence
Ibeziako PA; Okerengwo AA; Williams AIO
1980 Internat J Gynaec and Obst 18 (2) Sept-Oct 147-149 Wm
pregnant Nigerian women on malarial chemoprophylaxis, malarial fluorescent antibody titres throughout pregnancy and in paired maternal and cord blood at delivery, findings show that if malarial prophylactics are used for prolonged period maternal antibody levels will fall, leaving newborns with lowered immunity to malaria

Immunofluorescence
Ibeziako PA; Williams AIO
1980 Brit J Obst and Gynaec 87 (11) Nov 976-982 Wm
pregnant Nigerian women on malarial chemoprophylaxis, immunoglobulin levels and malarial fluorescent antibody titres at various stages of gestation and in paired maternal and cord sera at time of delivery, concluded that newborn of mothers on prolonged malarial chemoprophylaxis may have lowered acquired immunity to malaria

Immunofluorescence
Ilardi I; Petracca C
1979 Ann Sclavo 21 (4) July-Aug 568-572 Wm
Entamoeba histolytica, humans, diagnosis, gel diffusion precipitin test vs. fluorescent antibody test, both recommended

Immunofluorescence
Ishizuka MM
1978 Rev Fac Med Vet e Zootec Univ S Paulo 15 (1) 45-49 Wa
Toxoplasma gondii, comparative study of Sabin-Feldman and indirect fluorescent antibody techniques for anti-Toxoplasma antibodies evaluation in swine serum

Immunofluorescence
Jacquemin JL; Colasson F; Larroque V
1980 Arch Med Ouest 12 (6) June-July 307-311 Wm
toxoplasmosis, pregnant women, diagnostic serology, prophylactic measures suggested

Immunofluorescence
Janitschke K et al
1981 J Trop Med and Hyg 84 (4) Aug 147-154 Wa
schistosomiasis, humans, diagnosis, evaluation of the ELISA test as an epidemiological tool, comparisons with parasitological findings and other immunodiagnostic tests, test correlations using a Multiscan photometer, recommended for epidemiological surveys

Immunofluorescence
Jira J et al
1980 Casop Lek Cesk 119 (12-13) Mar 369-372 Wm
Toxoplasma gondii, human sera, diagnosis, complement fixation test vs. indirect fluorescent antibody test

Immunofluorescence
Johnson AM et al
1981 Austral J Exper Biol and Med Sc 59 (3) June 303-306 Wa
Toxoplasma gondii, hybridomas secreting monoclonal antibody, immunoglobulin subclasses (IgG1, IgG2a, IgG3) and reactivity in indirect haemagglutination antibody test and indirect immunofluorescence antibody test

Immunofluorescence
Johnson AM; Roberts H; McDonald PJ
1980 J Hyg Cambridge 84 (2) Apr 315-320 Wa
Toxoplasma gondii, humans, age-sex distribution of antibodies, indirect immunofluorescence: South Australia

Immunofluorescence
Johnston LAY et al
1980 Austral Vet J 56 (3) Mar 116-118 Wa
Anaplasma marginale, comparison of direct fluorescent antibody and Giemsa staining for postmortem diagnosis; cross reactions between A. marginale and A. centrale

Immunofluorescence
Kaliraj P; Ghirnikar SN; Harinath BC
1981 Am J Trop Med and Hyg 30 (5) Sept 982-987 Wa
Wuchereria bancrofti, human, immunodiagnosis, comparative efficiency of indirect hemagglutination test, indirect fluorescent antibody test, and enzyme-linked immunosorbent assay done with W. bancrofti microfilarial antigens

Immunofluorescence
Kawai K et al
1980 Nippon Ganka Gakkai Zasshi (Acta Soc Ophth Japon) 84 (9) Sept 10 1107-1112 Wm
Toxoplasma gondii, strain RH tachyzoites, assessment and characterization of membrane antigen, localization of membrane antigen in the tachyzoite by immunoelectronmicroscopy, practicability of quantitative antibody detection by fluoropolarimetry with the use of membrane antigen, suggests potential usefulness as diagnostic test

Immunofluorescence
Kellett BS; Bywater JEC
1980 Lab Animals 14 (2) Apr 83-86 Wa
Encephalitozoon cuniculi antibody detection in rat and mouse serum by indirect india-ink immunoreaction and india-ink immunoreaction inhibition tests, comparison with indirect fluorescence antibody test

Immunofluorescence
Key SN III et al
1980 Arch Ophth Chicago 98 (3) Mar 475-479 Wa
Acanthamoeba castellani, 27-year-old man with keratitis, clinico-pathologic case report, organism identified by immunofluorescent staining of material from necrotic cornea of enucleated eye

Immunofluorescence
Kloosterman A; Benedictus J; Aghina H
1980 Vet Parasitol 7 (2) Sept 133-142 Wa
Cooperia oncophora, cattle, colostral transfer of anti-nematode antibodies demonstrated using indirect fluorescent antibody technique and indirect haemagglutination test but calves not protected against challenge at 2.5 to 4 months

Immunofluorescence
van Knapen F et al
1980 Vet Parasitol 7 (2) Sept 109-121 Wa
Trichinella spiralis, pigs (exper.), detection of infections, comparison of enzyme-linked immunosorbent assay with trichinoscopy, digestion method, and immunofluorescence technique

Immunofluorescence
Kozojed V et al
1980 Casop Lek Cesk 119 (48) Nov 28 1310-1315 Wm
Toxoplasma antigen used to compare indirect haemagglutination test with complement fixation and indirect fluorescent antibody tests, diagnosis of human toxoplasmosis

Immunofluorescence
Krotoski WA et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 31-37 Wa
Plasmodium cynomolgi bastianelli, 48-hour exoerythrocytic stage, detection and specific identification by means of indirect immunofluorescence technique

Immunofluorescence
Labro-Bryskier MT et al
1981 Ann Biol Clin 39 (4) 175-180 Wa
toxoplasmosis, human, diagnosis, effect of presence of rheumatoid factors on results for determination of antitoxoplasm IgM antibodies by immunofluorescence and agglutination techniques

Immunofluorescence
Lanotte G; Rioux JA; Pratlong F
1980 Ann Parasitol 55 (6) Nov-Dec 635-643 Wa
visceral leishmaniasis in children vs. adults, bioclinical analysis, indirect fluorescent antibody rates; mucosal leishmaniasis, report of 2 cases: Cevennes, France

Immunofluorescence
Lansetti JC et al
1980 Medicina Buenos Aires 40 Suppl (1) 258-259 Wm
Trypanosoma cruzi, humans, diagnosis, serologic screening tests compared (rapid agglutination, rapid hemagglutination, immunofluorescence)

Immunofluorescence
Lapierre J et al
1978 Bull Soc Path Exot 71 (4-5) July-Oct 354-361 Wa
Schistosoma haematobium, S. mansoni, human sera, diagnosis, indirect immunofluorescence using homologous vs. heterologous antigens, combined antigens may be useful for epidemiologic surveys

Immunofluorescence
Lapierre J et al
1978 Bull Soc Path Exot 71 (6) Nov-Dec 450-454 Wa
Schistosoma intercalatum, human rectal infections, diagnosis, far better results obtained using S. haematobium as antigen than using S. mansoni antigen, indirect immunofluorescence

Immunofluorescence
Lapierre J et al
1979 Bull Soc Path Exot 72 (2) Mar-Apr 148-152 Wa
Schistosoma mansoni, serums from central and west African groups vs. West Indians, differences in responses to indirect fluorescent antibody test

Immunofluorescence
Lapierre J et al
1980 Nouv Presse Med 9 (14) Mar 22 1013-1016 Wm
echinococcosis, humans, study of 146 confirmed cases, localization, immunodiagnosis

Immunofluorescence
Lapierre J; Ancelle T; Roose A
1978 Bull Soc Path Exot 71 (4-5) July-Oct 349-354 Wa
Schistosoma haematobium, S. mansoni, mice, diagnosis, indirect fluorescent antibody technique, heterologous and homologous antigens compared

Immunofluorescence
Laudanska H et al
1980 Przegl Dermat 67 (2) Mar-Apr 187-192 Wm
Trichomonas vaginalis, patients with asymptomatic or latent forms, indirect immunofluorescence test useful diagnostic tool

Immunofluorescence
Leaute JB; Hanna SM
1980 Ann Biol Clin 38 (3) 175-178 Wm
toxoplasmosis, human sera, diagnosis, enzyme-linked immunosorbent assay compared with other immunologic diagnostic tests

Immunofluorescence
Le Bras J et al
1980 Ann Soc Belge Med Trop 60 (2) June 163-171 Wa
Dracunculus medinensis, infected human serum, specific antibody pattern without cross reaction with other parasitic infections, study used several immunodiagnostic tests

Immunofluorescence
Lewis D; Herbert I
1980 Vet Rec 107 (15) Oct 11 352-353 Wa
Babesia motasi, sheep exposed to Haemaphysalis punctata collected from coastal grazing area of North Wales, diagnosis in blood smears and by immunofluorescent antibody test

Immunofluorescence
Lewis EA; Salimonu LS; Osunkoya BO
1978 African J Med and Med Sc 7 (4) Dec 197-200 Wm
Necator americanus, immunofluorescence technique developed to detect antibodies to surface antigens of hookworm using 3rd stage larvae as antigen source; specific antibody production of various groups compared (patients with severe anemia, blood donors, medical students, Canadian Caucasians): Nigeria

Immunofluorescence
Lin CY; Chen SN
1980 Med J Osaka Univ 31 (1-2) Sept 1-6 Wm
Angiostrongylus cantonensis, humans who had had contacts with Achatina fulica vectors, clinical pathology, mainly presentation as eosinophilic meningitis, immunodiagnosis, first reports in Northern Taiwan

Immunofluorescence
Lin TM; Halbert SP; O'Connor GR
1980 J Clin Microbiol 11 (6) June 675-681 Wa
Toxoplasma gondii, human, standardized quantitative enzyme-linked immunosorbent assay for detection of antibodies, comparison with dye test, indirect immunofluorescence test, and passive hemagglutination test

Immunofluorescence
van Loon A; van der Veen J
1980 J Clin Path 33 (7) July 635-639 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for quantitation of antibodies in human sera, sensitivity compared with immunofluorescence and complement fixation

Immunofluorescence
Lopez-Brea M
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 283-284 Wa
kala-azar, human, 3 cases, diagnosis and serological follow-up using Crithidia sp. as antigen in immunofluorescence test

Immunofluorescence
McGreevy PB et al
1980 Am J Trop Med and Hyg 29 (4) July 553-562 Wa
Brugia malayi, natives living in endemic area, indirect fluorescent antibody technique used to determine class of anti-sheath immunoglobulins and prevalence and titer of each class in different age groups, anti-sheath antibodies related to amicrofilaremia but not to filarial disease: South Kalimantan, Borneo

Immunofluorescence
Mackenzie PKI; Lawrence JA
1979 Rhodesian Vet J 10 (3) Sept 64-66 Wa
Theileria lawrencei, cattle, indirect fluorescent antibody test using T. parva schizont antigen; successful transmission of T. lawrencei by Rhipicephalus appendiculatus

Immunofluorescence
Magnus E et al
1978 Ann Soc Belge Med Trop 58 (2) June 103-109 Wa
T[rypanosoma] brucei gambiense, humans, diagnosis, conventional preparation vs. freeze-dried preparation of T. b. brucei antigen in the indirect fluorescent antibody test

Immunofluorescence
Matossian RM
1981 J Helminth 55 (1) Mar 49-57 Wa
hydatid disease, human, simplified radioimmunoassay (RIA) compared with indirect haemagglutination test; trichinosis, human, RIA compared with fluorescent antibody test

Immunofluorescence
Menard E et al
1975 Rev Med Chile 103 (3) Mar 215-220 Wm
Toxoplasma gondii, epidemiological survey of 250 presumably healthy children for evidence of infection using the indirect immunofluorescence test, most active infections started in second year of life, most children had contact with soil contaminated with cat feces: western district of Santiago

Immunofluorescence
Mesfin GM; Bellamy JEC
1980 Vet Parasitol 7 (2) Sept 87-93 Wa
Eimeria falciformis var. pragensis, immunogenicity of different life-cycle stages evaluated with indirect fluorescent antibody reaction

Immunofluorescence
Milder JE et al
1980 J Clin Microbiol 11 (4) Apr 409-417 Wa
Pneumocystis carinii in rat bronchial lavage fluid, diagnosis, comparison of histological stains and immunological techniques, cresyl echt violet and indirect fluorescent antibody are preferred techniques

Immunofluorescence
Minami T et al
1980 National Inst Animal Health Quart Tokyo 20 (2) Summer 44-52 Wa
Theileria sergenti, comparison of Japanese and Russian strains in cattle: morphology, clinical and hematologic findings, transmission by Haemaphysalis longicornis, serology in complement fixation and indirect fluorescent antibody tests

Immunofluorescence
Mithal S et al
1978 Indian J Med Research 67 Mar 367-373 Wa
amoebiasis, human, serodiagnosis, indirect fluorescent antibody test using axenic Entamoeba histolytica, comparison with indirect hemagglutination test

Immunofluorescence
Monjour L et al
1978 Ann Soc Belge Med Trop 58 (4) Dec 293-300 Wa
Leishmania donovani, counterimmunoelectrophoresis on cellulose acetate membranes, useful tool for diagnosis and epidemiological surveys of human or canine sera, comparisons with results using the fluorescent antibody test

Immunofluorescence
Muhm RL et al
1979 Proc 22 Ann Meet Am Ass Vet Lab Diagn (San Diego California Oct 28-30 1979) 139-146 Wa
Sarcocystis, cattle, case history, diagnosis using immunofluorescence, serology, and histopathology

Immunofluorescence
Naot Y; Remington JS
1980 J Infect Dis 142 (5) Nov 757-766 Wa
Toxoplasma gondii, humans, enzyme-linked immunosorbent assay for detection of IgM antibodies, more sensitive than Sabin-Feldman dye test or IgM-immunofluorescence antibody test

Immunofluorescence
Nardin E; Gwadz RW; Nussenzweig RS
1979 Bull World Health Organ 57 suppl 1 211-217 Wa
Plasmodium spp., characterization of sporozoite surface antigens by immunofluorescence, detection of stage- and species-specific antimalarial antibodies

Immunofluorescence
Niederkorn JY; Shadduck JA; Weidner E
1980 J Parasitol 66 (4) Aug 675-677 Wa
Microsporida spp., antigenic cross-reactivity among spores as determined by immunofluorescence

Immunofluorescence
Nozais JP
1979 Afrique Med (168) 18 Mar 179-182 Wm
Schistosoma mansoni, children, relationships between host age, host sex, fecal egg count, splenomegaly, and fluorescent antibody levels: Cote d'Ivoire

Immunofluorescence
Omanga U; Muganga N
1981 Ann Soc Belge Med Trop 61 (1) Mar 5-14 Wa
Plasmodium falciparum, children with acute infections, fluorescent antibody test used to compare serological immune response to uncomplicated vs. cerebral infection: Zaire

Immunofluorescence
Oniki S; Kurakazu K
1980 Nippon Ganka Gakkai Zasshi (Acta Soc Ophth Japon) 84 (9) Sept 10 1408-1416 Wm
toxoplasmosis, serum from humans with eye infections, diagnostic evaluation of indirect fluorescent antibody test, indirect hemagglutination test, and latex agglutination test, Sabin-Feldman dye test used as reference

Immunofluorescence
Osisanya JOS; Warhurst DC
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 605-608 Wa
Entamoeba histolytica, human, hepatic and intestinal disease, specific anti-amoebic immunoglobulins measured using indirect fluorescent antibody test, comparison with results of cellulose acetate precipitin tests

Immunofluorescence
Osman ZM et al
1978 Bull Ophth Soc Egypt (75) 71 177-190 Wm
Toxoplasma, blind children, diagnosis of congenital infection using fluorescent antibody test, probable role in etiology of blindness: Egypt

Immunofluorescence
Pakan J et al
1980 Bratisl Lekar Listy 73 (5) May 580-585 Wm
toxoplasmosis, diagnostic importance of seroimmunological testing of pregnant women in order to reduce prenatal infections and abortions: Bratislava

Immunofluorescence
Panday RS et al
1981 Vet Quart 3 (1) Jan 25-30 Wa
Dirofilaria immitis, dogs (peripheral blood), incidence survey (1977-1978), relationship between presence of microfilariae and host age, sex, breed, residence, clinical symptoms, liver and kidney function blood values, and presence of antibodies using indirect fluorescent antibody test: Surinam

Immunofluorescence
Peralta JM et al
1980 J Parasitol 66 (2) Apr 342-344 Wa
Trypanosoma cruzi, mice infected with different strains, antibodies detected by different immunodiagnostic tests

Immunofluorescence
Peralta JM et al
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 695-698 Wa
Trypanosoma cruzi, human, diagnosis, direct agglutination test, effect of pre-treatment of test samples with 2-mercaptoethanol, comparison with results in indirect haemagglutination and indirect immunofluorescence tests: Brazil

Immunofluorescence
Pereira Lorenzo A
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 401-409 Wa
Sarcocystis miescheriana, incidence in swine, diagnosis, direct microscopic examination of compressed tissue, pepsin-muscular digestion, and indirect immunofluorescence

Immunofluorescence
Perrin LH et al
1980 Clin and Exper Immunol 41 (1) July 91-96
Plasmodium falciparum, characterization of defined antigens by monoclonal antibodies, indirect immunofluorescence can be used to check specificity of hybrid products in this system

Immunofluorescence
Philippe E et al
1979 Nouv Presse Med 8 (6) Feb 3 442 Wm
toxoplasmosis, humans, diagnosis, lymph node biopsy as adjunct to fluorescent antibody test

Immunofluorescence
Pieron R et al
1980 Ann Soc Belge Med Trop 60 (1) Mar 27-32 Wa
Schistosoma haematobium, S. mansoni, humans, niridazole therapy evaluated 1 year after treatment, viable eggs in urine, feces, and rectal snip biopsies continued to be present, indirect immunofluorescence technique used to assess treatment proved disappointing

Immunofluorescence
Pieron R et al
1980 Med Trop 40 (3) May-June 259-264 Wm
Schistosoma haematobium, humans, diagnostic techniques compared (centrifugation of urine, rectal mucosa biopsy, indirect immunofluorescence test)

Immunofluorescence
Piessens WF et al
1980 Am J Trop Med and Hyg 29 (4) July 563-570 Wa
Brugia malayi, human, anti-microfilarial sheath antibodies of different immunoglobulin classes detected by indirect immunofluorescence, antibodies promoting adherence of buffy coat cells to microfilariae, immunoglobulin on microfilariae isolated from blood of microfilaremic individuals, correlation of serum antibodies and cellular responses to microfilarial antigens with clinical status of single individuals: South Kalimantan, Indonesia

Immunofluorescence
Pillay MR; Frank H; Ponnampalam JT
1981 Southeast Asian J Trop Med and Pub Health 12 (1) Mar 111-113 Wa
Plasmodium spp., humans, antibody titers measured by indirect fluorescent antibody test for diagnosis and to assess cure rate 18 months later

Immunofluorescence
Polderman AM; de Vries H; van de Water TPM
1980 Acta Leidensia 48 37-42 Wa
toxocariasis, human, serological diagnosis, unsuccessful attempts to increase specificity of ELISA by using fractions of larval Toxocara canis antigens, immunofluorescence on cuticle of intact larvae shown to be specific but not very sensitive test

Immunofluorescence
Quakyi IA
1980 Tropenmed u Parasitol 31 (3) Sept 325-333 Wa
malaria, development and validation of enzyme linked immunosorbent assay, immunodiagnostic and seroepidemiological value, comparison with indirect immunofluorescence antibody test

Immunofluorescence
Radda TM et al
1981 Klin Monatsbl Augenh 178 (2) Feb 147-148 Wm
Loa loa, humans, Loa ophthalmia, clinical aspects, diagnosis using the indirect immunofluorescence test, surgical therapy

Immunofluorescence
Ribeiro CD et al
1981 Nouv Presse Med 10 (17) Apr 18 1420-1421 Wm
Schistosoma mansoni, humans, nonspecific immunofluorescence of adult worms, role of anti-smooth muscle anti-bodies in differential diagnosis

Immunofluorescence
Rieckmann KH et al
1979 Bull World Health Organ 57 suppl 1 139-151 Wa
Plasmodium knowlesi, rhesus monkeys, immunization with 3 nonviable blood-stage antigens, response to challenge, haematology, indirect fluorescent antibody test, IgG values, radioimmunoassay values, opsonization and merozoite inhibition tests, B and T cell values, lymphocyte transformation test, intradermal skin test

Immunofluorescence
Robert R; Chabasse D; Hocquet P
1981 Biomedicine Express 35 (2) May 61-65 Wa
antitoxoplasma IgM detection by indirect immunofluorescence antibody test and passive hemagglutination tests, diagnostic errors can be avoided by using protein A of Staphylococcus aureus to eliminate IgG from serum being tested

Immunofluorescence
Robinson B et al
1980 South Med J 73 (4) Apr 516-518 Wm
Trypanosoma brucei gambiense, chronic infection, Nigerian student, diagnosed by computerized axial tomography and immunofluorescence: Oklahoma

Immunofluorescence
Robson J et al
1981 Trop Animal Health and Prod 13 (1) Feb 1-11 Wa
Theileria parva, T. mutans, cattle continually exposed to natural infection, parasitological and serological response, indirect fluorescent antibody test, T. parva cell culture schizont antigen more reliable and specific than piroplasm antigen: Uganda

Immunofluorescence
Rodriguez Osorio M; Gomez Garcia V; Campos Bueno M
1977 Rev Iber Parasitol 37 (1-2) Jan-June 81-85 Wa
Trichinella spiralis antigen of cuticular origin exhibits some cross reaction with Salmonella typhi and S. paratyphi when used in the indirect fluorescent antibody test

Immunofluorescence
Roigas EM
1975 Parazitologiia Leningrad 9 (3) May-June 278-284 Wa
Trichomonas vaginalis, direct immunofluorescence for differentiation of serotypes

Immunofluorescence
Rotmans JP; Mooij GW
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 463-468 Wa
Schistosoma mansoni, separation of adult worm antigen fractions, use in defined antigen substrate spheres system and enzyme-linked immunosorbent assay with serum from schistosomiasis patients, cross-reactivity with serum from patients with other helminth infections

Immunofluorescence
Ruebush TK II et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 291-292 Wa
Babesia microti-infected humans, development and persistence of antibody, indirect immunofluorescent test

Immunofluorescence
Salfelder A; Mannweiler E
1981 Tropenmed u Parasitol 32 (3) Sept 194-196 Wa
mucocutaneous leishmaniasis, malaria, Chagas' disease, amebiasis, patient sera examined with 5 antigens (Leishmania donovani, Trypanosoma cruzi, Plasmodium fieldi, P. falciparum, Entamoeba histolytica) in indirect fluorescent antibody test, complement fixation test, indirect hemagglutination test, and latex agglutination test: Venezuela

Immunofluorescence
Saliou P et al
1978 Bull Soc Path Exot 71 (2) Mar-Apr 181-188 Wa
sleeping sickness, human, epidemiological situation, evaluation of use of indirect immunofluorescence and capillary-tube passive hemagglutination: Bouafle, Cote-d'Ivoire

Immunofluorescence
Sampaio RNR et al
1980 An Brasil Dermat 55 (2) Apr-June 69-76 Wm
Leishmania, patients with American mucocutaneous infections, histological and immunological diagnosis, therapy: Sobradinho, Brasilia

Immunofluorescence
Sanchez Franco A; Sanchez Acedo C; Albala Perez F
1977 Rev Iber Parasitol 37 (3-4) July-Dec 379-385 Wa
echinococcosis, human and ovine, diagnosis, procedure for antigen preparation using whole purified scolex for immunofluorescence test

Immunofluorescence
Schmunis GA et al
1980 Am J Trop Med and Hyg 29 (2) Mar 170-178 Wm
Trypanosoma cruzi, children with recent infections, diagnosis, direct agglutination test with or without previous treatment of sera with 2-mercaptoethanol, comparison with indirect hemagglutination and indirect immunofluorescence tests

Immunofluorescence
Schutte CHJ et al
1980 South African Med J 58 (2) July 12 71-75 Wm
Schistosoma haematobium, Black schoolchildren, diagnosis, sensitivity and specificity of indirect fluorescent antibody test vs. egg output quantitation in urine samples, single urine specimen seemed adequate unless the infection was weak

Immunofluorescence
Shaw JJ; Lainson R
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 254-257 Wa
cutaneous and mucocutaneous leishmaniasis, Chagas disease, human, IgA and IgG antibodies, Leishmania mexicana amazonensis and Trypanosoma cruzi as antigens in immunofluorescent tests

Immunofluorescence
Singh M et al
1980 J Helminth 54 (2) June 147-153 Wa
Brugia malayi-infected Meriones unguiculatus, indirect fluorescent antibody technique, microfilarial and adult worm antigens, antibody levels in microfilaraemic hosts, antibody titres during course of infection and after diethylcarbamazine treatment

Immunofluorescence
Singh M et al
1980 J Helminth 54 (2) June 155-159 Wa
Breinlia booliati-infected rats, indirect immunofluorescent antibody technique, microfilarial and adult worm antigens, antibody levels in microfilaraemic rat sera, post-patent rat sera, and amicrofilaraemic rat sera

Immunofluorescence
Slemenda SB; Hitchings M; Maddison SE
1980 J Parasitol 66 (6) Dec 893-897 Issued May 6 1981 Wa
Schistosoma mansoni, S. haematobium, human, standardization of FIAX (fluoroimmunoassay) using crude cercarial and adult S. mansoni antigens, calibration using enzyme-linked immunosorbent assay performed with same antigens

Immunofluorescence
Smith RD et al
1980 Am J Vet Research 41 (12) Dec 1957-1965 Wa
Babesia bovis, B. bigemina, cattle, tick-borne exposure, clinical and pathologic responses, absence of significant heterologous species immunity, cross-reactivity in indirect fluorescent antibody test was restricted to period during and shortly after recovery

Immunofluorescence
Speiser F
1980 Schweiz Med Wchnschr 110 (11) Mar 15 404-407 Wa
E[ntamoeba] histolytica, human, diagnosis, comparison of enzyme linked immunosorbent assay with indirect immunofluorescence antibody test and counter-immunoelectrophoresis

Immunofluorescence
Speiser F
1980 Tropenmed u Parasitol 31 (4) Dec 459-466 Wa
filariasis, echinococcosis, human, serodiagnosis, enzyme-linked immunosorbent assay using Echinococcus granulosus hydatid fluid and Dipetalonema viteae as antigens, comparison with indirect fluorescent antibody test, indirect haemagglutination test, and counterimmunoelectrophoresis, ELISA was most sensitive but least specific method

Immunofluorescence
Spencer HC et al
1980 Am J Trop Med and Hyg 29 (2) Mar 179-182 Wa
Trypanosoma cruzi, human, serodiagnosis, evaluation of micro enzyme-linked immunosorbent assay, comparison with complement fixation and indirect fluorescent antibody tests

Immunofluorescence
Spencer HC et al
1981 Am J Trop Med and Hyg 30 (4) July 747-750 Wa
Plasmodium falciparum, human, enzyme-linked immunosorbent assay, indirect fluorescent antibody test, age distribution of serologic responses, results indicate neither test is appropriate as diagnostic aid but both would be useful in epidemiologic investigations; some patients had concurrent P. vivax infection: El Salvador, Central America

Immunofluorescence
Stahr BJ; Walzer PD; Yoneda K
1981 J Parasitol 67 (2) Apr 196-203 Wa
Pneumocystis carinii, effects of trypsin vs. pronase on morphology and antigenic properties of cyst form, light and transmission electron microscopy, immunofluorescence, data suggest that antigenic determinants of cysts reside in cell walls

Immunofluorescence
Stankiewicz M; Jeska EL
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (5) 349-352 Wa
Trichinella pseudospiralis in normal chicken serum, precipitin-like deposits, reaction is temperature and Ca dependent and requires heat labile factor(s); IgM and IgG shown in precipitates by immunofluorescence

Immunofluorescence
Stevens DL et al
1979 Am J Gastroenterol 72 (3) Sept 234-238 Wm
E[ntamoeba] histolytica, Caucasian male, case report, hepatic abscess, nonreactive to immunological tests preoperatively, motile hematophagous trophozoites seen microscopically in scrapings from wall of abscess, postoperative serologic tests were positive

Immunofluorescence
Stevens DR; Moulton JE
1977 Acta Neuropath Berlin 38 (3) June 173-180 Wm
Trypanosoma brucei, exper. meningoencephalitis in Peromyscus maniculatus, light, immunofluorescent, and electron microscopic study

Immunofluorescence
Stewart CG; Botha WS; Van Dellen AF
1979 J South African Vet Ass 50 (3) Sept 169-172 Wa
Encephalitozoon, dogs (nat. and exper.), prevalence of antibodies determined using indirect fluorescent antibody test, results indicate that test is suitable for epidemiological studies

Immunofluorescence
Stoeckli HR et al
1980 Fortschr Neurol 48 (6) June 303-313 Wm
Toxoplasma gondii, humans with various neurological infections, parasite identified in spinal fluid using indirect immunofluorescence and phase contrast microscopy

Immunofluorescence
Stoll L; Haase M; Fuhr R
1979 Arch Lebensmittel-Hyg 30 (6) Nov-Dec 208-214 Wa
Trichinella spiralis, mice and pigs, diagnosis, comparison of agar gel precipitation, direct precipitation, and indirect immunofluorescent antibody test

Immunofluorescence
Streiger ML; Bovero NM; del Valle Davila E
1980 Medicina Buenos Aires 40 Suppl (1) 250-251 Wm
T[rypanosoma] cruzi, humans, diagnosis, indirect immunofluorescence reaction, preservation of imprints

Immunofluorescence
Sulzer AJ et al
1981 Ann Trop Med and Parasitol 75 (4) Aug 375-381 Wm
Plasmodium vivax, human, malaria antibody (indirect immunofluorescence) and parasitaemia patterns in one immune (native Jivaro Indians) and one non-immune (oil field workers) population in malarious area of northern Peru

Immunofluorescence
Tadros W; Hazelhoff W; Laarman JJ
1979 Acta Leidensia 47 53-63 Wa
Sarcocystis spp., detection of circulating antibodies in human and bovine sera by enzyme-linked immunosorbent assay technique, comparison with indirect fluorescent antibody technique

Immunofluorescence
Takafuji ET et al
1980 Am J Trop Med and Hyg 29 (4) July 516-520 Wa
cutaneous leishmaniasis, occurrence in U.S. Army battalion deployed to Panama Canal Zone for jungle warfare training, medical surveillance program, aspiration cultures of greater value than punch biopsies in confirming early infection, indirect fluorescent antibody and direct agglutination tests useless as diagnostic screening methods in early stages

Immunofluorescence
Tamura T et al
1980 J Coll Dairying Nat Sc (18) 8 (2) Oct 249-256 Wa
Babesia gibsoni, dogs, indirect fluorescent antibody test as method for detecting antibody

Immunofluorescence
Taylor DW et al
1981 Infect and Immun 32 (2) May 563-570 Wa
Plasmodium yoelii, monoclonal antibodies to stage-specific, species-specific, and cross-reactive (with Plasmodium spp. and Babesia microti, but not Toxoplasma gondii) antigens, specificity and location of plasmodial antigens determined by indirect fluorescent antibody analysis

Immunofluorescence
Tello P
1980 Bol Chileno Parasitol 35 (1-2) Jan-June 21-24 Wm
Toxoplasma gondii, diagnosis in pregnant women and their newborn infants using various immunological tests, treatment recommendations

Immunofluorescence
Terpstra WJ et al
1980 Bull Soc Path Exot 73 (2) Mar-Apr 164-171 Wa
Schistosoma mansoni, S. haematobium, naturally infected humans vs. exper. infected golden hamsters, infection intensity and specific antibody response measured using the indirect fluorescent antibody technique, in general antibody titre reflected infection intensity

Immunofluorescence
Terpstra WJ; Van Helden HPT; Eyakuze VM
1980 Bull Soc Path Exot 73 (1) Jan-Feb 74-85 Wa
Schistosoma mansoni, S. haematobium, humans, indirect fluorescent antibody test evaluated for seroepidemiological study (prevalence, age, sex, egg excretion), homologous vs. heterologous antigens: East Africa

Immunofluorescence
Teuber J; Brehm H; Stumpf J
1979 Immun u Infekt 7 (6) Dec 213-221 Wm
Trichinella spiralis, human, brief review (of history, epidemiology, biology and transmission, immunology, different diagnostic methods); evaluation of modified indirect immunofluorescence test; lymphocyte transformation test, evidence for immunosuppressive effect produced by adult worms

Immunofluorescence
Thomas V; Chang Wing Chit
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 73-76 Wa
Plasmodium falciparum, infant boy, congenital infection, case report, immunofluorescence showed specific IgG and IgM antibodies in maternal cord and 2 early neonatal sera, value of specific IgM antibody in diagnosing congenital infection: Malaysia

Immunofluorescence
Thomas V; Fabiyi A; Adeniyi A
1981 J Trop Med and Hyg 84 (3) June 113-116 Wa
parasitic diseases in Nigerian children, usefulness of indirect fluorescent antibody technique, ELISA also used for Schistosoma mansoni

Immunofluorescence
Thomas V; Ho KB; Yap PL
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 375-380 Wa
Plasmodium falciparum antibody profile of adults as shown by indirect fluorescent antibody technique, usefulness as epidemiological tool: 4 states in Peninsular Malaysia

Immunofluorescence
Thomas V; Ogunba EO; Fabiyi A
1978 African J Med and Med Sc 7 (2) June 107-112 Wm
parasitic infections, humans, application of immunodiagnostic tests discussed in relation to conditions operating in developing countries where diagnostic facilities are often limited, immunofluorescence antibody test identified as the test that could be used universally with success, review

Immunofluorescence
Thomas V; Sinniah B; Leng YP
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 57-62 Wa
Entamoeba histolytica, patients with different clinical forms, diagnosis, indirect immunofluorescent technique, sensitivity, specificity, and reproducibility

Immunofluorescence
Thomas V; Sinniah B; Yap PL
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 119-125 Wa
Toxoplasma gondii, human, indirect fluorescent antibody prevalence in relation to age group, sex, and ethnic group, prevalence of specific IgM antibodies: Malaysia

Immunofluorescence
Tikasingh E et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 715-719 Wa
Plasmodium malariae, human, outbreak probably due to renewal of transmission from recrudescent cases, serology used to help define epidemic (indirect fluorescent antibody test by age group using P. brasilianum, P. falciparum, and P. fieldi as antigens): Grenada

Immunofluorescence
Topi GC et al
1978 Med Cutan Ibero-Latino-Am 6 (3-4) 185-192 Wm
Toxoplasma gondii, humans, case reports, chronic prurigo, toxoplasms demonstrated in lesions by means of conventional stains, and by immunofluorescence

Immunofluorescence
Tuomi J; Tanskanen R
1980 Acta Vet Scand 21 (4) 699-701 Wa
Eperythrozoon wenyoni, E. tuomii, antigenic non-relationship demonstrated by immunofluorescent method

Immunofluorescence
Tzipori S et al
1981 J Infect Dis 144 (2) Aug 170-175 Wa
Cryptosporidium [sp.], artificially reared red deer calves (cecum, colon, jejunum, upper and terminal ileum), possible association between severe diarrhea of deer and parasite infection, serological relationship established (by indirect immunofluorescence) between Cryptosporidium isolated from the deer and bovine Cryptosporidium associated with earlier outbreak in suckled beef calves raised at the same research station, deer C. [sp.] also infected new-born specific pathogen-free mice: Scotland

Immunofluorescence
Tzipori S; Campbell I
1981 J Clin Microbiol 14 (4) (4) Oct 455-456 Wa
Cryptosporidium, antibodies detected by indirect immunofluorescence in over 80% of sera from 10 animal species including humans

Immunofluorescence
Visvesvara GS et al
1980 Ann Int Med 93 (6) Dec 802-805 Wa
Giaridia lamblia, humans, diagnosis, indirect immunofluorescence test for antibodies is specific and reproducible, may be useful for epidemiological and immunological surveys

Immunofluorescence
Voller A
1980 Internat J Nuclear Med and Biol 7 (2) 157-163 Wa
use of immunofluorescence, enzyme-immunoassay, and radioimmunoassay in parasitic diseases with special reference to malaria, review

Immunofluorescence
Vottero-Cima E; Faillaci MG; Rubiolo E
1979 Acta Physiol Latinoam 29 (4-5) 263-270 Wa
Trypanosoma cruzi, humans, detection of humoral immune response, solid-phase micro-radioimmunoassay test, comparison with complement-fixation, indirect hemagglutination, and immunofluorescence tests

Immunofluorescence
Vullo V et al
1979 Ann Sclavo 21 (1) Jan-Feb 83-87 Wm
echinococcosis, humans, serological diagnosis, indirect immunoperoxidase method more specific than immunofluorescence

Immunofluorescence
Vullo V et al
1979 Ric Clin e Lab 9 (2 suppl) 81-84 Wm
Entamoeba histolytica, humans, diagnosis, immunoperoxidase and indirect immunofluorescence tests

Immunofluorescence
Vullo V et al
1980 Trop and Geogr Med 32 (1) Mar 19-21 Wa
Schistosoma haematobium, humans, diagnosis, indirect immunoperoxidase test, comparison with indirect immunofluorescence test: Somalia

Immunofluorescence
Walden H; Manuwald O
1980 Ztschr Arztl Fortbild 74 (7) Apr 1 337-339 Wm
Toxoplasma gondii, humans, diagnostic survey using the indirect fluorescent antibody test: Suhl district

Immunofluorescence
Walton BC
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 747-752 Wa
American cutaneous/mucocutaneous leishmaniasis, human, evaluation of effectiveness of chemotherapy by indirect fluorescent antibody test using Leishmania braziliensis panamensis as antigen

Immunofluorescence
Walzer PD; Rutledge ME
1980 J Infect Dis 142 (3) Sept 449 Wa
Pneumocystis carinii, serum antibody titers of rat, mouse, and human compared by immunofluorescence, observations support possibility of strain or species differences in this organism

Immunofluorescence
Wattre P et al
1980 Nouv Presse Med 9 (5) Jan 26 305-309 Wm
Echinococcus granulosus, immunodiagnostic methods used to confirm classical clinical and radiological diagnostic data and to conduct post-therapeutic surveillances, high prevalence of infection in immigrant workers vs native population in France

Immunofluorescence
Weiland G et al
1980 Berl u Munchen Tierarztl Wchnschr 93 (14) July 15 261-264 Wa
Babesia divergens, cattle (nat. and exper.), diagnosis, indirect immunofluorescence, enzyme-linked immunosorbent assay, indirect haemagglutination, and intradermal tests using antigens of B. divergens and/or B. rodhaini

Immunofluorescence
Weiland G; Kratzer I
1979 Berl u Munchen Tierarztl Wchnschr 92 (20) Oct 15 398-400 Wa
Babesia canis, B. gibsoni, dogs (exper.), parasitaemia and antibody formation, indirect fluorescent antibody test and enzyme-linked immunosorbent assay using B. rodhaini antigens

Immunofluorescence
Welch JS; Dobson C
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 5-14 Wa
parasitic diseases, immunodiagnosis, utility of in vitro lymphocyte proliferative responsiveness with particular reference to sensitivity and specificity using antigens purified by affinity chromatography, comparison with 3 immunofluorescence tests

Immunofluorescence
Welch JS; Dobson C; Campbell GR
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 614-623 Wa
Angiostrongylus cantonensis, prevalence in rats in Queensland; immunodiagnosis, 3 immunofluorescence tests and in vitro lymphocyte blastogenesis, specificity and sensitivity in immunized rabbits and naturally infected rats, levels of responsiveness in 4 Australian populations in relation to prevalence in rats, use in clinical diagnosis in 5 human cases of eosinophilic meningitis

Immunofluorescence
Wolstenholme B; Fripp PJ
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 614-615 Wa
schistosomiasis, human, diagnosis, microscopic slide preparation of Schistosoma mansoni cercariae for indirect fluorescent antibody test

Immunoglobulins
Ackerman S et al
1981 J Parasitol 67 (5) Oct 737-740 Wa
Dermacentor variabilis, host albumin, transferrin, and IgG were detectable in hemolymph of ticks after feeding, IgG retained antibody activity

Immunoglobulins
Adam C et al
1981 Infect and Immun 31 (2) Feb 530-535 Wa
Plasmodium falciparum, human, presence of circulating immune complexes, IgG-IgM cryoglobulinemia, and complement consumption is associated with cerebral malaria and very rarely with uncomplicated infection, intensity of immune response and of associated complement activation may be important factors in pathogenesis of cerebral malaria

Immunoglobulins
Adams DB; Merritt GC; Cripps AW
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 167-177 Wa
Trichostrongylus colubriformis, immune sheep undergoing challenge infection, intestinal lymph and local antibody and immunoglobulin response, failure to transfer passive protection with either immune serum or immune intestinal lymph

Immunoglobulins
Aikat BK et al
1979 Indian J Med Research 70 Oct 583-591 Wa
kala-azar, humans, immunological responses: Bihar

Immunoglobulins
Akiyama T et al
1981 J Dermat 8 (1) Feb 43-46 Wm
Onchocerca volvulus, increased levels of IgG and IgE in infected Guatemalan patients, no differences found in IgA and IgM levels, quantitative determinations using laser immunoassay or radioimmunosorbent assay

Immunoglobulins
Al-Agidi SK; Roberts DF
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 355-362 Wa
human serum protein levels in Iraq, includes speculation that high mean IgE levels may be related to parasite infection

Immunoglobulins
Ali-Khan Z; Siboo R
1981 Exper Parasitol 51 (2) Apr 159-168 Wa
Echinococcus multilocularis, distribution of antigenic determinants and specific host immunoglobulins on cyst membranes, possible significance of bound antibody in complement activation and antibody-dependent cell-mediated cytotoxicity of proliferative phase of alveolar hydatid cyst

Immunoglobulins
Allen PC; Kuttler KL; Amerault TE
1981 Am J Vet Research 42 (2) Feb 326-328 Wa
Anaplasma marginale, cows, comparative serum protein changes elicited by attenuated and virulent isolates, fluctuations in immunoglobulins, card test titers and total WBC compared and correlated with parasitemia

Immunoglobulins
Araujo-Fontaine A; Thierry R; Heid E
1977 Ann Dermat et Venereol 104 (3) Mar 203-205 Wm
scabies, humans, IgE elevated in 15 of 100 cases studied

Immunoglobulins
Aryanpour J; Hafizi A; Modabber F
1980 Infect and Immun 27 (3) Mar 1038-1040 Wa
Toxoplasma gondii-infected thymectomized, irradiated, and bone marrow-reconstituted (T-deprived) mice, antibody titers, lack of IgM suppression by IgG antibody

Immunoglobulins
Auriault C et al
1980 Immunol Letters 2 (3) Dec 135-139 Wa
Schistosoma mansoni, inactivation of rat macrophages by peptides resulting from cleavage of IgG by larval proteases, might represent efficient immunosuppressive mechanism of parasite to escape host response

Immunoglobulins
Auriault C et al
1981 Cellular Immunol 62 (1) July 15 15-27 Wa
Schistosoma mansoni, interaction between macrophages and schistosomula: role of nonspecific IgG peptides or aggregates on modulation of beta-glucuronidase release and cytotoxicity against schistosomula, parasite proteolytic enzymes responsible for presence of inhibitory IgG peptides

Immunoglobulins
Auriault C et al
1981 Parasite Immunol 3 (1) Spring 33-44 Wa
Schistosoma mansoni, proteolytic cleavage of IgG bound to Fc receptor of schistosomula

Immunoglobulins
Aust-Kettis A; Thorstensson R; Sundqvist KG
1981 Scand J Immunol 13 (5) 473-481 Wa
Entamoeba histolytica, fate of antibodies after binding to cell surface

Immunoglobulins
Baltz T et al
1981 Infect and Immun 32 (3) June 979-984 Wa
Trypanosoma gambiense subchronic disease, subcurative treatment of chronic T. brucei and acute T. equiperdum, mice, immune depression and macroglobulinemia

Immunoglobulins
Bazin H; et al
1980 J Immunol 124 (5) May 2373-2377 Wm
Schistosoma mansoni, rats, effect of neonatal injection of anti-μ antibodies on immunoglobulin levels, on in vitro cytotoxicity assays, on immunity to primary infection, and on immunity to reinfection

Immunoglobulins
Ben-Ismail R et al
1980 Vox Sanguinis 38 (3) Mar 165-168 Wa
fascioliasis, hydatidosis, humans, anti-$P_1$ allohemagglutinins, automated assay, IgM nature

Immunoglobulins
Blaser K; Nakagawa T; de Weck AL
1981 J Immunol 126 (3) Mar 1180-1184 Wm
suppression of anti-hapten IgE and IgG antibody responses by isologous anti-idiotypic antibodies against purified anti-carrier (ovalbumin) antibodies in BALB/c mice, BPO-Ascaris suum protein extract one of antigens used

Immunoglobulins
Bocanegra TS et al
1981 Ann Int Med 94 (2) Feb 207-209 Wa
Strongyloides stercoralis, Taenia saginata, patients with arthritis, evidence of abnormal humoral immunity to parasites, immune complexes in serum and synovial fluid, and immunoglobulin deposits in synovia, anti-inflammatory agents were ineffective but specific antiparasitic treatment resulted in resolution of symptoms and immunologic abnormalities, findings suggest that arthritis induced by parasitic infestation may be mediated by immune complex formation in susceptible hosts

Immunoglobulins
Boid R et al
1980 Vet Parasitol 6 (4) Mar 333-345 Wa
Trypanosoma evansi, camels (nat. and exper.), serum immunoglobulin levels and electrophoretic patterns of serum proteins

Immunoglobulins
Bout D et al
1980 Parasitology 80 (2) Apr 247-256 Wa
Schistosoma mansoni, mice, humoral immune response, kinetics of classes and sub-classes of both total immunoglobulins and specific antibodies; use of original radio-immunoadsorbent test

Immunoglobulins
Brandt de Oliveira, R; Voltarelli JC; Meneghelli UG
1981 Parasite Immunol 3 (2) Summer 165-169 Wa
Strongyloides stercoralis, patient with hypogammaglobulinaemia but with no abnormality in cell-mediated immunity, severe persistent infection in spite of repeated courses of thiabendazole therapy, first evidence of relevant role of humoral immune response in human defenses against strongyloidiasis

Immunoglobulins
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunoglobulins
Breniere S; Viens P
1980 Canad J Microbiol 26 (9) Sept 1090-1095 Wa
Trypanosoma musculi, pattern of infection and antibody production in baby mice, transfer of immunity from mother mice to litter through milk, specific antibody classes involved

Immunoglobulins
Brito E et al
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 119-124 Wm
S[chistosoma] mansoni, patients with and without nephropathy, circulating immune complex levels correlated with type of glomerular lesions, and with glomerular deposits of immunoglobulin, $C_3$, and fibrin

Immunoglobulins
Brown KN et al
1980 Bull World Health Organ 58 (3) 449-457 Wa
Plasmodium berghei-infected rats, humoral autoimmune responses to developing reticulocytes, significant levels of cold IgM and IgG isohaemagglutinins detected in serum, infected reticulocytes more sensitive than uninfected cells, results indicate that presence of parasite resulted in exposure of membrane isoantigens normally masked

Immunoglobulins
Brown PJ; Charley-Poulain J; Pery P
1981 Vet Immunol and Immunopath 2 (4) Aug 343-352 Wa
Nippostrongylus brasiliensis, rats, infection and reinfection, production of bile IgA and serum IgG antibodies

Immunoglobulins
Capron A et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 849-857 Wa
Schistosoma mansoni, rats, evidence for participation of anaphylactic antibodies in antibody-dependent cell-mediated cytotoxicity to schistosomes (IgE-macrophage interaction and IgG2a-eosinophil interaction), immune mechanisms regulating effector cell function, in vivo relevance, review

Immunoglobulins
Capron A et al
1980 Mononuclear Phagocytes Functional Aspects pt 2 1539-1558 Wa
Schistosoma mansoni, antibody-dependent cell-mediated cytotoxic mechanism, cytophilic binding of IgE to rat macrophage, effects of IgE-macrophage interaction on cellular metabolism, specificity of IgE binding site, review

Immunoglobulins
Capron A; Dessaint JP
1981 Ann Immunol 132C (1) Jan-Feb 3-8 Wa
IgE, interaction with mast cells, basophils, eosinophils, macrophages, and lymphoid cells, regulatory function, review

Immunoglobulins
Capron A; Dessaint JP; Capron M
1980 J Allergy and Clin Immunol 66 (2) Aug 91-96 Wa
Schistosoma mansoni, components of immune response to schistosomes, evidence for role of anaphylactic antibodies in regulation of effector cell function, regulation of immune effector mechanisms, review

Immunoglobulins
Capron A; Dessaint JP; Capron M
1980 Med Trop 40 (3) May-June 243-249 Wm
schistosomiasis, effector mechanisms in immunity, role of anaphylactic antibodies, activation of various phagocytic cell populations by immunoglobulin isotypes, general review

Immunoglobulins
Capron M et al
1981 J Immunol 126 (5) May 1764-1768 Wm
Schistosoma mansoni, IgE-dependent cytotoxic capacity of rat eosinophils for schistosomula, mast cell products appear to play essential role in significantly increasing eosinophil cytotoxicity

Immunoglobulins
Capron M et al
1981 J Immunol 126 (6) June 2087-2092 Wm
Fc receptors for IgE on human and rat eosinophils, proportion of eosinophils bearing these receptors was significantly higher when eosinophils were obtained from hypereosinophilic patients or from Schistosoma mansoni-infected rats, role of these receptors in relation to dual function of eosinophils in antibody-dependent cytotoxicity and in regulation of immediate-type hypersensitivity

Immunoglobulins
Capron M et al
1981 Nature London (5793) 289 Jan 1-8 71-73 Wa
Schistosoma mansoni, demonstration that mast cell mediators like ECF-A (eosinophil chemotactic factor of anaphylaxis) tetrapeptides can not only promote eosinophil recruitment but also increase IgG-mediated eosinophil cytotoxicity against Schistosoma targets by enhancing expression of eosinophil IgG Fc receptors

Immunoglobulins
Carme B et al
1978 Bull Soc Path Exot 71 (6) Nov-Dec 465-471 Wa
Wuchereria bancrofti var. pacifica, humans with elephantiasis, biological aspects (microfilaremia, eosinophilia, immunoglobulins, specific antibodies in passive agglutination): French Polynesia

Immunoglobulins
Carneiro Leao R; de Toledo Barras MM; Mendes E
1980 Allergol et Immunopath 8 (1) Jan-Feb 31-34 Wm
Strongyloides stercoralis, 18 patients with mild or asymptomatic infections, total IgE serum levels determined by the radioimmunosorbent method, 7 had elevated levels

Immunoglobulins
Carosi G et al
1980 Boll Ist Sieroterap Milanese 59 (1) Mar 31 25-30 Wa
Toxoplasma gondii, immuno-electron microscopic localization of antigenic sites for specific IgG and IgM on parasite surface, possible practical application

Immunoglobulins
Carswell F et al
1981 Am J Clin Nutrition 34 (7) July 1292-1299 Wa
parasitic infections, nutritional status, and globulin titers in 2 populations of school children, parasites, notably malaria, are important determinants of serum antibodies in children in the tropics and mild undernutrition probably has little effect: Tanzania

Immunoglobulins
Chen SS; et al
1981 J Immunol 127 (1) July 166-173 Wm
Nippostrongylus brasiliensis, induction of $\mathrm{FcR}\varepsilon^{+}$ lymphocytes in high IgE responder mice by infection

Immunoglobulins
Cifarelli F et al
1979 Ann Sclavo 21 (3) May-June 347-353 Wm
Entamoeba histolytica, determination of intestinal secretory IgA in apparently healthy persons with acute or chronic amoebiasis and in carriers of amoebiasis

Immunoglobulins
Cifarelli F et al
1980 Ann Sclavo 22 (4) July-Aug 690-693 Wm
Trichomonas vaginalis and other mixed vaginal infections, women, no evidence of IgA in vaginal secretions

Immunoglobulins
Clarkson AB jr; Mellow GH
1981 Science (4517) 214 Oct 9 186-188 Wa
Trypanosoma lewisi, serum of lactating rats that have never been infected contains rheumatoid factor-like IgM which amplifies specific IgG response to parasite and accounts for unusual resistance of previously uninfected lactating rats and their suckling pups, similar rheumatoid factor-like IgM induced late in usual course of infection in nonlactating rats amplifies earlier IgG response and terminates infection, first description of rheumatoid factor (which is classified as autoimmune antibody) acting in protective manner, possible implications for T. cruzi infection

Immunoglobulins
Colli W; Andrews NW; Zingales B
1981 2 Internat Cong Cell Biol (Berlin (West) Aug 31-Sept 5 1980) 401-410 Wm; Wa
Trypanosoma cruzi, overall chemical composition of epimastigote plasma membrane, surface glycoproteins, binding of host proteins to surface, attempts to discriminate between adhesion and penetration to in vitro cultured mammalian cells, review

Immunoglobulins
Corsini AC; Vilela MMS; Piedrabuena AE
1981 Tropenmed u Parasitol 32 (2) June 82-86 Wa
Trypanosoma cruzi, human, chronic Chagas' disease patients, serum levels of IgM, IgG, IgA, complement, number of circulating T and B lymphocytes, no evidence of immune complexes, unimpaired delayed type hypersensitivity reactions to various antigens, humoral suppression to typhoid vaccine

Immunoglobulins
Crane GG
1979 Trop Dis Research Ser (1) 245-258 Wa
tropical splenomegaly syndrome, serology and relationship to malaria, review

Immunoglobulins
Crowle PK; Reed ND
1981 Infect and Immun 33 (1) July 54-58 Wa
Nippostrongylus brasiliensis, evaluation of ability of mast cell-deficient W/W$^v$ anemic mice to accumulate mucosal mast cells, produce worm-specific IgE antibody, and reject worms, results indicate that mucosal mast cells are not absolute requirement for rejection

Immunoglobulins
Cunningham DS et al
1981 Exper Parasitol 51 (2) Apr 257-268 Wa
Trypanosoma cruzi in relatively resistant vs. highly susceptible strain of mice, antibody response to previously unencountered antigens, autoantibody activity, proposed that T. cruzi-associated antigens differentially affect B-cell-responsive and -responding clones, unlikely that nonspecific induction of immunoglobulin synthesis is purely responsible for immunosuppressed condition of both susceptible and resistant mice, immunopotentiating effect of T. cruzi demonstrated in 2 ways, possible significance of polyclonal activation in experimental Chagas' disease

Immunoglobulins
Cursons RTM; et al
1980 Infect and Immun 29 (2) Aug 401-407 Wa
normal human sera, presence of antibodies (mainly IgG and IgM) to Acanthamoeba spp. and Naegleria spp., presence of specific neutralizing factor against Acanthamoeba spp. but not Naegleria spp.; possible role of humoral immunity in defense against pathogenic free-living amoebae: New Zealand

Immunoglobulins
D'Alesandro PA; Clarkson AB jr
1980 Exper Parasitol 50 (3) Dec 384-396 Wa
Trypanosoma lewisi, significant reductions in ablastic activity can be achieved through adsorption of immune serum with IgG-negative trypanosomes from immunosuppressed hosts, direct evidence that ablastin is an avid and adsorbable antibody

Immunoglobulins
Damian RT et al
1981 Am J Trop Med and Hyg 30 (4) July 836-843 Wa
Schistosoma mansoni, multiply-infected Papio cynocephalus, antibody responses, immunoglobulin classes (enzyme-linked immunosorbent assay, slide flocculation, circumoval precipitation, passive cutaneous anaphylaxis, and opsonization tests), immediate hypersensitivity responses (cercarial dermatitis, direct skin testing with adult worm antigen)

Immunoglobulins
Demaree RS jr; Hillyer GV
1981 Am J Trop Med and Hyg 30 (2) Mar 402-405 Wa
Schistosoma mansoni, immunoperoxidase localization by electron microscopy of soluble egg antigen and human IgG in circumoval precipitin reactions around eggs

Immunoglobulins
Desjeux P et al
1980 Am J Trop Med and Hyg 29 (2) Mar 195-198 Wa
cutaneous and mucocutaneous leishmaniasis, human, investigation of circulating immune complexes (CIC), anti-IgG, anti-DNA, and anti-collagen autoantibodies, data suggest association between development of espundia (Leishmania b. braziliensis) and appearance of CIC and anti-IgG antibodies

Immunoglobulins
Desowitz RS; Rudoy R; Barnwell JW
1981 Internat Arch Allergy and Applied Immunol 65 (4) 361-366 Wa
asthmatic and nonasthmatic children, prevalence of IgE and IgG antibodies to Toxocara canis and Dirofilaria immitis: Oahu, Hawaii

Immunoglobulins
Dessein AJ et al
1981 J Exper Med 153 (2) Feb 1 423-436 Wa
Trichinella spiralis, rats, selective suppression of IgE antibody response diminishes resistance and eosinophil response to infection

Immunoglobulins
Dissanayake S; de Silva LVK; Ismail MM
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 542-544 Wa
Wuchereria bancrofti, human, antifilarial antibody in maternal and umbilical cord blood determined by indirect immunofluorescence, enzyme-linked immunosorbent assay, and radioimmunoassay, antibodies were predominantly of IgG type presumably passively transferred from mother, specific IgM antibody detected in some cord blood samples probably in response to transplacental transfer of filarial antigens: Sri Lanka

Immunoglobulins
Doy TG; Hughes DL; Harness E
1981 Research Vet Sc 30 (3) May 357-359 Wa
Fasciola hepatica, rats, hypersensitivity, lack of correlation between serum reaginic antibody levels and rejection of flukes

Immunoglobulins
Duermeyer W et al
1980 J Clin Microbiol 12 (6) Dec 805-806 Wa
Toxoplasma gondii, enzyme-linked immunosorbent assay for detection of IgM antibodies

Immunoglobulins
Duffus WPH; Franks D
1981 Parasitology 82 (1) Feb 1-10 Wa
Fasciola hepatica, interaction in vitro between juvenile flukes and bovine immunoglobulins directed against fluke outer glycocalyx, indirect fluorescent antibody assay

Immunoglobulins
Facer CA
1980 Clin and Exper Immunol 39 (2) Feb 279-288 Wm
Plasmodium falciparum, Gambian children, association between direct Coombs antiglobulin positivity and malaria, antigen specificity of erythrocyte-bound IgG, mechanism of erythrocyte sensitization, results add to and confirm major role of immune complex formation in immunopathology of falciparum malaria

Immunoglobulins
Facer CA
1980 Clin and Exper Immunol 41 (1) July 81-90 Wa
Plasmodium falciparum, Gambian children, direct antiglobulin reactions, IgG subclass and Gm allotype distribution of red cell-bound IgG molecules, association with anemia

Immunoglobulins
Falk ES
1981 Allergy 36 (3) Apr 167-174 Wm
scabies, humans, changes in serum IgE before and after treatment, findings confirm observations of specific immunological hypersensitivity to scabies mite, and that scabies infection stimulates production of IgE antibodies

Immunoglobulins
Falk ES; Bolle R
1980 Brit J Dermat 103 (3) Sept 283-288 Wa
Sarcoptes scabiei, humans, positive radioallergosorbent test to Dermatophagoides pteronyssinus, elevated serum IgE concentrations, atopic disease

Immunoglobulins
Fayez MA et al
1978 J Egypt Med Ass 61 (7-8) 463-470 Wm
schistosomiasis, humans with hepatic bilharzial cirrhosis, increased levels of serum antibody titers to Escherichia coli in persons who had port-caval shunt surgery, supports hypothesis that immunoglobulins increase after establishment of surgical shunt in patients with cirrhosis

Immunoglobulins
Felgner P et al
1981 Tropenmed u Parasitol 32 (3) Sept 134-140 Wa
Trypanosoma brucei gambiense, human, prevalence by age and sex, parasitological examination (hematocrit centrifugation technique, subinoculation into Mastomys natalensis, miniature anion exchange centrifugation method), immunodiagnostic examination (enzyme-linked immunosorbent assay, indirect immunofluorescent test, radial immunodiffusion for IgM concentrations): Ivory Coast; Upper Volta

Immunoglobulins
Filice G et al
1981 Boll Ist Sieroterap Milanese 59 (6) 604-611 Wa
Toxoplasma gondii, mice experimentally infected with cystogenic strain, kinetics of IgM and IgG antibodies, dye test, indirect immunofluorescence test, indirect haemagglutination test, comparison with results of mouse inoculation tests

Immunoglobulins
Filice GA; Yeager AS; Remington JS
1980 J Clin Microbiol 12 (3) Sept 336-342 Wa
Toxoplasma gondii, patients with acquired toxoplasmosis, infants with congenital toxoplasmosis, diagnostic significance of IgM antibodies detected after separation of IgM from IgG antibodies, IgM-IFA test

Immunoglobulins
Flisser A; Woodhouse E; Larralde C
1980 Clin and Exper Immunol 39 (1) Jan 27-37 Wa
Cysticercus cellulosae, human, evaluation of immunoelectrophoresis as diagnostic tool (about 50% non-responders), cysticercus antigens recognized by man, human immunoglobulins among anti-cysticercus antibodies

Immunoglobulins
Foca A; De Rosa M
1979 Quad Sclavo Diag Clin e Lab 15 (2) June 189-195 Wm
determination of umbilical cord blood Ig and its correlation with prenatal infections, human, includes Toxoplasma gondii

Immunoglobulins
Foris G et al
1981 Internat Arch Allergy and Applied Immunol 65 (2) 138-143 Wm
fixation of particulate antigens by macrophages is influenced by (1) Fc receptor activity which is controlled by cytoskeletal structure, (2) (sub)classes of antibody involved, and (3) nature and properties of antigen (living Trypanosoma equiperdum one of antigens used)

Immunoglobulins
Franco EL et al
1980 J Clin Microbiol 12 (6) Dec 780-784 Wa
Toxoplasma gondii IgG and IgM polar staining in indirect immunofluorescence test, prevalence of positive reactions in sera of patients with Trypanosoma cruzi, Leishmania donovani, and L. braziliensis

Immunoglobulins
Franco EL; Walls KW; Sulzer AJ
1981 J Clin Microbiol 13 (5) May 859-864 Wa
Toxoplasma gondii, human, serodiagnosis, reverse enzyme immunoassay for detection of specific IgM antibodies

Immunoglobulins
Galatiuc C et al
1981 Develop and Comp Immunol 5 (2) Spring 205-215 Wa
Entamoeba histolytica, specific binding of IgG to FcR-like receptor on cell membrane

Immunoglobulins
Gallo D et al
1981 J Clin Microbiol 13 (4) Apr 631-636 Wm
multiple-antigen slide test for detection of IgM antibodies in newborn and infant sera by immunofluorescence, antigens are agents implicated in congenital and neonatal disease including Toxoplasma gondii

Immunoglobulins
Gannon J
1980 Lab Animals 14 (3) July 189-192 Wa
Encephalitozoon cuniculi, course of infection in immunodeficient vs. immunocompetent mice, IgG and IgM antibody response, histopathology

Immunoglobulins
Ghose AC et al
1980 Clin and Exper Immunol 40 (2) May 318-326 Wa
Leishmania donovani, 49 active kala-azar patients, IgA, IgG, IgM, and C3 levels, antileishmanial titres in indirect haemagglutination method, IgG and IgM class-specific antibody titres in enzyme-linked immunosorbent assay method, serodiagnostic potential of ELISA

Immunoglobulins
Goichot EL; Bloch-Michel E
1980 J Franc Ophtal 3 (1) 21-25 Wm
toxoplasmosis, human ocular, diagnostic value of quantitative serological tests of the aqueous humor, various tests compared

Immunoglobulins
Goodger BV; Wright IG; Mahoney DF
1981 Austral J Exper Biol and Med Sc 59 (5) Oct 521-529 Wa
Babesia bovis, cattle, time of appearance and nature of immune complexes, complexes did not appear to have much pathological significance

Immunoglobulins
Greene BM; Taylor HR; Aikawa M
1981 J Immunol 127 (4) Oct 1611-1618 Wm
Onchocerca volvulus, eosinophil- and neutrophil-mediated immune serum-dependent destruction of microfilariae, IgG identified as antibody class binding to microfilariae, enhancement of killing in presence of fresh serum source in mechanism that appears to be dependent on activation of complement by alternative pathway

Immunoglobulins
Greenwood BM; Fakunle YM
1979 Trop Dis Research Ser (1) 229-244 Wa
tropical splenomegaly syndrome, diagnostic criteria, clinical features, treatment, pathogenesis (hypothesis involving abnormal immune response to malaria which results in excessive IgM production and formation of large molecular weight immune complexes), review

Immunoglobulins
Guimaraes RX et al
1979 Arq Gastroenterol S Paulo 16 (1) Jan-Mar 3-7 Wm
[Schistosoma] mansoni, patients with hepatointestinal form vs. hepatosplenic form, abnormalities in IgA, IgG, IgM

Immunoglobulins
Gupta JP et al
1979 Acta Gastroenter Belg 42 (3-4) Mar-Apr 142-149 Wm
Giardia lamblia, adults, jejunal pathology, physiological and immunoglobulin changes associated with infection: India

Immunoglobulins
Gupta JP et al
1980 Asian Med J 23 (9) Sept 636-640 Wm
Giardia lamblia, patients with symptomatic infections, immunoglobulin levels elevated before and after therapy when compared with uninfected persons, levels showed no significant correlations with jejunal mucosal alterations, malabsorption, or duration of symptoms: India

Immunoglobulins
Gusmao RA; Stanley AM; Ottesen EA
1981 Exper Parasitol 52 (1) Aug 147-159 Wa
Brugia pahangi, inbred Lewis rats, cellular and humoral immune responses (blood leukocyte levels, antifilarial IgG and IgE antibody production, specific lymphocyte responses to mitogens and filarial antigens), findings suggest that development of specific IgE antibodies plays role in differential susceptibility to infection in these rats

Immunoglobulins
Haiba MH; Iskander AR
1979 Vet Med J Giza 26 (26) 1978 171-176 Issued Aug 8 Wa
Ascaridia columbae and Cotugnia polyacantha-infected and uninfected Columba livia schimperi, serum protein patterns (total proteins, albumin, and alpha, beta and gamma globulins)

Immunoglobulins
Haig DM; Lima GC; Mota I
1980 Parasite Immunol 2 (3) Autumn 175-187 Wa
Nippostrongylus brasiliensis, mice, suppression of anti-DNP IgE, IgG1, and agglutinating antibodies provided that immunization with DNP-Asc takes place within few days after infection

Immunoglobulins
Haldar JP; Saha KC; Ghose AC
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 514-517 Wa
Leishmania donovani, human, post kala-azar dermal leishmaniasis, serum immunoglobulin and C3 levels, specific antibody titres in indirect haemagglutination and enzyme-linked immunosorbent assay methods, overall difference compared to serological profile of kala-azar patients: India

Immunoglobulins
Hamilton RG et al
1981 J Immunol Methods 44 (1) July 17 101-114 Wm
filariasis patients from endemic Wuchereria bancrofti areas, quantitation of filaria-specific IgG and IgE in sera, evaluation of solid-phase radioimmunoassay and enzyme-linked immunosorbent assay methodology using Brugia malayi as antigen

Immunoglobulins
Handman E; Remington JS
1980 Immunology 40 (4) Aug 579-588 Wa
Toxoplasma gondii, serological and immunochemical characterization of monoclonal antibodies against membrane or cytoplasmic antigens of tachyzoites

Immunoglobulins
Handman E; Remington JS
1980 Infect and Immun 29 (1) July 215-220 Wa
Toxoplasma gondii, mice infected with strains of different virulence, sequence of antibody response to parasite surface antigens

Immunoglobulins
Hanna REB
1980 Exper Parasitol 50 (1) Aug 103-114 Wa
Fasciola hepatica, juvenile flukes acquired continuous layer of host IgG over surface during incubation with antiserum, but actively sloughed this layer and replaced the former glycocalyx when transferred to medium lacking antiserum; possible mechanism for protection against host immunity

Immunoglobulins
Haque A et al
1980 Clin and Exper Immunol 40 (3) June 487-495 Wa
Dipetalonema viteae, IgE antibody-mediated adherence and cytotoxicity of rat macrophages against microfilariae in vitro

Immunoglobulins
Haque A et al
1981 J Immunol 127 (2) Aug 716-725 Wm
Dipetalonema viteae, IgE antibody in eosinophil- and macrophage-mediated in vitro killing of microfilariae

Immunoglobulins
Harmsen AG; Jeska EL
1980 J Reticuloendothel Soc 27 (6) June 631-637 Wa
Toxoplasma gondii-infected swine vs. normal swine or Freund's complete adjuvant-injected swine, presence of IgM, IgG, and complement receptors on alveolar macrophages and their role in phagocytosis

Immunoglobulins
Hillyer GV; Rivera Marrero C
1980 Am J Trop Med and Hyg 29 (6) Nov 1249-1253 Wa
Schistosoma mansoni, development of antiserum reactive with eggs by circumoval precipitin (COP) test, antigens and immunoglobulins involved in COP reaction

Immunoglobulins
Hirashima M; Yodoi J; Ishizaka K
1980 J Immunol 125 (4) Oct 1442-1448 Wm
Nippostrongylus brasiliensis, rats, regulatory role of IgE-binding factors from rat T lymphocytes, IgE-specific suppressive factor with IgE-binding activity

Immunoglobulins
Hirashima M; Yodoi J; Ishizaka K
1980 J Immunol 125 (5) Nov 2154-2160 Wm
Nippostrongylus brasiliensis, rats, regulatory role of IgE-binding factors from rat T lymphocytes, formation of IgE-binding factors in rats treated with complete Freund's adjuvant

Immunoglobulins
Hoefling KK; Schroeter AL
1980 J Am Acad Dermat 3 (3) Sept 237-240 Wm
Sarcoptes scabiei, humans, direct immunofluorescence of scabies lesions revealed IgM, IgA, $C_3$, and fibrin in cornified layer of epidermis, dermoepidermal junction, and papillary dermal vessels, findings support a humoral immune response secondary to scabetic infestation

Immunoglobulins
Hoshika K et al
1980 Nippon Shokakibyo Gakkai Zasshi (Japan J Gastroenterol) 77 (3) Mar 368-376 Wm
Giardia lamblia in patient with reduced secretory immunoglobulin A in duodenal aspirate, pathology of parasite-induced malabsorption, flagyl therapy ineffective

Immunoglobulins
Howard RJ; Chapman CB; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 201-205 Wa
Fasciola hepatica larvae, immunoglobulins are present at surface of living parasites obtained from intact, but not from nude, mice

Immunoglobulins
Hughes DL; Hanna REB; Symonds HW
1981 Exper Parasitol 52 (2) Oct 271-279 Wa
Fasciola hepatica, IgG and IgA levels in serum and bile of cattle throughout 20-week period of infection

Immunoglobulins
Hunter KW; et al
1980 J Immunol 125 (1) July 169-174 Wm
Plasmodium yoelii, mice, analysis of (parasitized and nonparasitized) erythrocyte surface-bound immunoglobulin by flow microfluorimetry, could contribute to development of anemia

Immunoglobulins
Hussain R et al
1981 J Immunol 127 (4) Oct 1623-1629 Wm
Wuchereria bancrofti, patients with various clinical forms of filariasis, quantitation of filaria-specific IgE using solid phase radioimmunoassay with Brugia malayi as antigen

Immunoglobulins
Ibeziako PA; Williams AIO
1980 Brit J Obst and Gynaec 87 (11) Nov 976-982 Wm
pregnant Nigerian women on malarial chemoprophylaxis, immunoglobulin levels and malarial fluorescent antibody titres at various stages of gestation and in paired maternal and cord sera at time of delivery, concluded that newborn of mothers on prolonged malarial chemoprophylaxis may have lowered acquired immunity to malaria

Immunoglobulins
Ikeda T; Fujita K
1980 J Parasitol 66 (2) Apr 197-204 Wa
Paragonimus ohirai, rats, relationship between IgE titer, migration route, and parasite age, indirect hemagglutinating antibody response not influenced by same variables

Immunoglobulins
Incani RN; McLaren DJ
1981 Parasite Immunol 3 (2) Summer 107-126 Wa
Schistosoma mansoni, neutrophil-mediated cytotoxicity to schistosomula in vitro, kinetics of complement and/or antibody (IgG)-dependent adherence and killing

Immunoglobulins
Ishizaka K et al
1981 Fed Proc 40 (8) June 2162-2166 Wm
Nippostrongylus brasiliensis, rats, regulation of IgE response by IgE binding factors, review

Immunoglobulins
Iskander AR
1979 Vet Med J Giza 26 (26) 1978 297-304 Issued Aug 8 Wa
Trichinella spiralis-infected and uninfected rats, serum protein patterns (total proteins, albumin, and alpha, beta and gamma globulins)

Immunoglobulins
Iskander R; Das PK; Aalberse RC
1981 Internat Arch Allergy and Applied Immunol 66 (2) 200-207 Wa
Schistosoma mansoni and/or S. haematobium, humans, recent vs. chronic infections, serum immunoglobulin levels (IgA, IgM, IgE, IgG, IgG subclasses), specific IgE, IgG, and IgG4 antibody levels to S. mansoni antigens, concluded that assay of IgG4 antibodies to adult worm antigen and soluble egg antigen provides useful information not obtainable by determination of total IgG or IgE antibodies

Immunoglobulins
Ismail AM et al
1976 Ain Shams Med J 27 (1) Jan 57-60 Wm
hepatic schistosomiasis with enlargement of spleen, humans, change in immunoglobulins after splenectomy suggests possible immunological role of spleen in hepatic fibrotic infections

Immunoglobulins
Itaya T et al
1980 Internat Arch Allergy and Applied Immunol 62 (4) 389-396 Wm
suppressive effects of various adjuvants on IgE antibody response of mice when given at certain times before immunization, DNP-Ascaris used as antigen

Immunoglobulins
Jacqueline E et al
1981 Ann Parasitol 56 (4) 395-400 Wa
Trichinella spiralis, rats (exper.) with biliary secretion diverted from choledoch duct to bladder, increased number of adult worms, increased production of larvae by females, increased length of females, increased number of muscular larvae; in vitro inhibition of larvae production by secretory IgA (SIgA) from bile, more inhibition by immune SIgA than control SIgA

Immunoglobulins
Jarrett E; Mackenzie S; Bennich H
1980 Nature London (5744) 283 Jan 17 302-304 Wm
Nippostrongylus brasiliensis, egg-albumin-hypersensitive rats, parasite-induced 'non-specific' IgE does not protect against allergic reactions

Immunoglobulins
Johnson AM et al
1981 Austral J Exper Biol and Med Sc 59 (3) June 303-306 Wa
Toxoplasma gondii, hybridomas secreting monoclonal antibody, immunoglobulin subclasses (IgG1, IgG2a, IgG3) and reactivity in indirect haemagglutination antibody test and indirect immunofluorescence antibody test

Immunoglobulins
Johnson P et al
1981 Parasite Immunol 3 (1) Spring 69-80 Wa
Brugia pahangi, serum-mediated adherence of feline eosinophils and neutrophils to microfilariae in vitro, involvement of IgG and complement, effect of age or origin of microfilariae

Immunoglobulins
Kaliraj P et al
1981 J Helminth 55 (2) June 133-139 Wa
Wuchereria bancrofti, utility of human filarial serum immunoglobulin in detecting circulating antigen in filarial sera studied by counter immunoelectrophoresis and indirect haemagglutination test

Immunoglobulins
Kaplan JE; Larrick JW; Yost JA
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 1012-1017 Wa
Waorani Indians of Eastern Ecuador have highest blood levels of IgE that have been recorded in a human population, reason unclear but genetic factors and high prevalence of parasitic infection may be involved

Immunoglobulins
Katz DH
1980 Immunology 41 (1) Sept 1-24 Wa
recent studies on regulation of IgE antibody synthesis in experimental animals and man, review including effects of parasitic infestation on IgE antibody system

Immunoglobulins
Kazura JW
1981 J Infect Dis 143 (5) May 712-718 Wa
Trichinella spiralis, in vitro study of capacity of human leukocytes in presence of serum from infected individuals and complement to destroy newborn larvae, results show that host defense is in part mediated by granulocytes and dependent on presence of IgG antibodies directed against migratory parasitic stage

Immunoglobulins
Kemp WM; et al
1980 J Immunol 124 (2) Feb 806-811 Wm
Schistosoma mansoni, induced shedding of tegument-associated host immunoglobulins, results show parasite is capable of induced tegument-associated antigen turnover that is both rapid and selective

Immunoglobulins
Khoury PB et al
1981 Cellular Immunol 59 (2) Apr 233-245 Wa
Schistosoma mansoni, mice, cellular responses against cercarial immunogens in regional draining lymph nodes and spleen: kinetics and characterization of T- and B-rosette forming cells, kinetics and characterization of maturational stages of B lymphocyte populations (capacity to form rosette forming cells, rosette-antibody forming cells, plaque forming cells, immunoglobulin classes)

Immunoglobulins
Khoury PB; Phillips SM
1981 Cellular Immunol 59 (2) Apr 246-255 Wa
Schistosoma mansoni, mice, cellular responses against egg immunogens in regional draining lymph nodes and spleen: kinetics and characterization of T- and B-rosette forming cells, kinetics and characterization of B-cell subpopulations (capacity to form rosette forming cells, rosette-antibody forming cells, plaque forming cells, immunoglobulin classes)

Immunoglobulins
Khoury PB; Phillips SM
1981 Am J Trop Med and Hyg 30 (2) Mar 394-401 Wa
Schistosoma mansoni, mice, cellular responses of lymphoid organs that drain pulmonary and hepatic phases of primary infection and also cellular responses of spleen: kinetics and characterization of T and B rosette forming cells, kinetics and characterization of B cell subpopulations (capacity to form rosette forming cells, rosette-antibody forming cells, and plaque forming cells; nature of surface and/or secreted immunoglobulins), these local immune responses seem to occupy significant role in mediation of protective immunity and host morbidity

Immunoglobulins
Knight R et al
1979 Ann Trop Med and Parasitol 73 (6) Dec 563-576 Wa
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1981 Am J Trop Med and Hyg 30 (4) July 780-789 Wa
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Van Marck EAE; Deelder AM; Gigase PLJ
1981 Exper Parasitol 52 (1) Aug 62-68 Wa
Schistosoma mansoni, mice with unisexual infections, circulating anodic antigen detected in glomeruli accompanied by deposits of immunoglobulin and complement, probably represents antigen part of immune complexes, circulating anodic antigen appears to be major candidate among antigens involved in schistosomal glomerulopathy

Immunoglobulins
Van Marck EAE; Vervoort T
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 666-667 Wa
Trypanosoma brucei brucei, mice vaccinated with purified variable antigen, detection of immunoglobulins, C3 fraction of complement, and trypanosome antigen in glomeruli, trypanosomal antigen is most probably deposited in immune complex form

Immunoglobulins
Walzer PD; Rutledge ME
1981 J Lab and Clin Med 97 (6) June 820-833 Wa
Pneumocystis carinii, rats, antibody titers and immunoglobulin levels in serum and bronchial lavage fluid, effects of steroid administration, steroid withdrawal, and prolonged environmental exposure to P. carinii on development of these humoral immune responses

Immunoglobulins
Weil GJ; Ottesen EA; Powers KG
1981 Exper Parasitol 51 (1) Feb 80-86 Wa
Dirofilaria immitis, dogs (exper.), parasite-specific humoral (IgG (enzyme-linked immunosorbent assay) and IgE (passive cutaneous anaphylaxis) titers) and cellular (lymphocyte transformation) immune responses, results consistent with observations in other host-parasite systems which suggest that in chronic tissue helminth infections cellular responses to parasite antigens are depressed while antibody reactions to the same antigens are relatively preserved

Immunoglobulins
Weiss N; Speiser F; Hussain R
1981 Acta Trop 38 (3) Sept 353-362 Wa
Onchocerca volvulus, human, detection of IgE antibodies with radioallergosorbent test using O. volvulus vs. Dipetalonema viteae as antigen, comparison with enzyme linked immunosorbent assay detecting IgG and IgM antibodies against same antigen preparations

Immunoglobulins
Weltman JK; Senft AW
1981 Parasite Immunol 3 (2) Summer 157-163 Wa
schistosomiasis, human, analysis of allergy, immunoglobulin E, and diagnostic skin tests, mathematical model for mast cell degranulation

Immunoglobulins
Whitelaw DD et al
1980 Infect and Immun 27 (3) Mar 707-713 Wa
Trypanosoma congolense in susceptible mouse strain vs. trypanotolerant mouse strain, host survival, parasitemia and anemia, erythrocyte survival, plasma and erythrocyte volumes, blood biochemistry, immunoglobulin levels, immunosuppression, infectivity neutralization tests on sera, results indicate ability of resistant mice to survive is dependent on humoral antibody

Immunoglobulins
Yodoi J et al
1981 J Immunol 127 (2) Aug 476-482 Wm
lymphocytes bearing Fc receptors for IgE, possible participation of phospholipase $A_2$ in glycosylation of IgE-binding sites, includes experiments using Nippostrongylus brasiliensis-infected rats

Immunoglobulins
Yodoi J; Hirashima M; Ishizaka K
1980 J Immunol 125 (4) Oct 1436-1441 Wm
Nippostrongylus brasiliensis, rats, regulatory role of IgE-binding factors from rat T lymphocytes, glycoprotein nature and source of IgE-potentiating factor

Immunoglobulins
Yodoi J; Hirashima M; Ishizaka K
1981 J Immunol 127 (2) Aug 471-476 Wm
lymphocytes bearing Fc receptors for IgE, suppressive effect of glucocorticoids on expression of Fc receptors and glycosylation of IgE-binding factors, includes experiments using Nippostrongylus brasiliensis-infected rats

Immunoglobulins
Yodoi J; Ishizaka K
1979 J Immunol 123 (5) Nov 2004-2010 Wm
Nippostrongylus brasiliensis, rats, lymphocytes bearing receptors for IgE, transition of FcγR(+) cells to FcεR(+) cells by IgE

Immunoglobulins
Yodoi J; Ishizaka K
1980 J Immunol 124 (3) Mar 1322-1329 Wm
Nippostrongylus brasiliensis-infected rats, formation of IgE-binding factor by T lymphocytes

Immunoglobulins
Yoo TJ; Bennett M
1981 Internat Arch Allergy and Applied Immunol 65 (2) 235-238 Wm
IgE response to Ascaris antigen was suppressed in mice infected with either herpes simplex virus type 2 or Friend erythroleukemia virus

Immunological deficiency states See Immunological unresponsiveness

Immunological tolerance See Immunological unresponsiveness

Immunological unresponsiveness
Abdel-Salam E et al
1981 Tr Roy Soc Trop Med and Hyg 75 (2) 207-214 Wa
Schistosoma haematobium, children, lymphocyte blast transformation responses, effect of niridazole therapy, evidence of disturbed cell-mediated immunity

Immunological unresponsiveness
Adams DB
1981 Internat J Parasitol 11 (4) Aug 309-317 Wa
Haemonchus contortus, sheep during primary infection and during recovery from infection which followed anthelmintic treatment, changes in blood leukocytes, bone marrow, and lymphoid organs, in vitro reactivity of blood lymphocytes to parasite antigen, haemagglutinating antibody response to rat erythrocytes, immunological basis for selective unresponsiveness to parasite antigen has yet to be clarified

Immunological unresponsiveness
Aggarwal A et al
1980 Ann Trop Med and Parasitol 74 (3) June 369-371 Wa
Giardia lamblia, corticosteroid/irradiation-treated immune-depressed mice were more susceptible to infection which indicates presumed role of cellular and humoral immunity in giardiasis

Immunological unresponsiveness
Aikat BK et al
1979 Indian J Med Research 70 Oct 583-591 Wa
kala-azar, humans, immunological responses: Bihar

Immunological unresponsiveness
Aitken MM et al
1981 Research Vet Sc 31 (1) July 120-126 Wa
Fasciola hepatica-infected vs. non-infected cattle (exper.), resistance to reinfection with potentially lethal dose of Salmonella dublin, results indicate that Fasciola infection did not alter resistance but that bacteria persisted in tissues and were excreted in faeces of fluke-infected animals for longer than fluke-free animals

Immunological unresponsiveness
Akpom CA
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 444-446 Wa
Schistosoma mansoni, response induced in normal healthy mice by eggs that were recovered from severely protein-deficient mice, concluded that suppression of host cellular immunity may not be only factor that explains suppression of granulomatous response to eggs in severe protein malnutrition

Immunological unresponsiveness
Albright JW; Albright JF
1980 J Immunol 124 (5) May 2481-2484 Wm
Trypanosoma musculi-mediated suppression of murine humoral immunity independent of typical suppressor cells

Immunological unresponsiveness
Albright JW; Albright JF
1981 J Immunol 126 (1) Jan 300-303 Wm
inhibition of murine humoral immune responses by substances derived from Trypanosoma musculi but not from T. lewisi

Immunological unresponsiveness
Allan D et al
1981 Parasite Immunol 3 (2) Summer 137-142 Wa
Echinococcus granulosus equinus, BALB/c mice infected either by protoscolices or cyst-passage exhibit non-specific suppression that is capable of causing marked and significant suppression to sheep erythrocytes when their mesenteric lymph node cells are adoptively transferred but there is a significant decrease in numbers of Thy-1 cells in these MLNC transplants, possible function of Ly-2,3$^+$ cells not only as suppressor but as alloreactive cytotoxic cells discussed as possible autoimmune explanation for longevity of parasite within mouse model

Immunological unresponsiveness
Anderson SE jr; Krahenbuhl JL; Remington JS
1979 J Clin and Lab Immunol 2 (4) Nov 293-297 Wm
Toxoplasma gondii, human, longitudinal studies of lymphocyte response to Toxoplasma antigen, immunodepression seen in some subjects

Immunological unresponsiveness
Annen JM; Koehler P; Eckert J
1981 Ztschr Parasitenk 65 (1) 79-88 Wa
Echinococcus granulosus cyst fluid, marked degree of toxicity on primary spleen cell cultures in vitro, cytotoxicity assay, functional role in immune evasion discussed

Immunological unresponsiveness
Aryanpour J; Hafizi A; Modabber F
1980 Infect and Immun 27 (3) Mar 1038-1040 Wa
Toxoplasma gondii-infected thymectomized, irradiated, and bone marrow-reconstituted (T-deprived) mice, antibody titers, lack of IgM suppression by IgG antibody

Immunological unresponsiveness
Ashford R et al
1980 Lancet London (8176) 1 May 10 1037-1038 Wa
Plasmodium vivax, 18-year-old boy, infection possibly precipitated by immunosuppressive treatment of sarcoma: referred to Westminster Hospital, U.K. from Pakistan

Immunological unresponsiveness
Auriault C et al
1980 Immunol Letters 2 (3) Dec 135-139 Wa
Schistosoma mansoni, inactivation of rat macrophages by peptides resulting from cleavage of IgG by larval proteases, might represent efficient immunosuppressive mechanism of parasite to escape host response

Immunological unresponsiveness
Avagnina MA et al
1980 Acta Cytol 24 (1) Jan-Feb 36-39 Wa
Strongyloides stercoralis, fatal hyperinfection of immunosuppressed man, cytologic examination of ascitic fluid: Formosa, Argentina

Immunological unresponsiveness
Babiker EA; Le Ray D
1981 Ann Soc Belge Med Trop 61 (1) Mar 15-29 Wa
Trypanosoma brucei gambiense, adaptation of low virulence stocks to rats and mice, evaluation of some methods previously described for enhancing trypanosome infectivity (rapid passaging, drug-induced immunodepression, use of age-related receptivity), establishment of cloned pleomorphic populations

Immunological unresponsiveness
Bagasra O; Schell RF; Le Frock JL
1981 Infect and Immun 32 (1) Apr 188-193 Wa
Trypanosoma rhodesiense, mice, evidence for depletion of $Ia^+$ macrophages and associated immunosuppression

Immunological unresponsiveness
Baltz T et al
1981 Infect and Immun 32 (3) June 979-984 Wa
Trypanosoma gambiense subchronic disease, subcurative treatment of chronic T. brucei and acute T. equiperdum, mice, immune depression and macroglobulinemia

Immunological unresponsiveness
Barousse AP et al
1980 Medicina Buenos Aires 40 Suppl (1) 17-26 Wm
T[rypanosoma] cruzi, 16 immunosuppressed patients with chronic Chagas infection, study concluded that immunosuppression does not reactivate parasitic infection

Immunological unresponsiveness
Barriga OO
1980 J Parasitol 66 (5) Oct 730-734 Wa
Trichinella spiralis, responses of B-cells to mitogens and antigen in mice receiving isogenic splenocytes from animals treated with parasite extract, simultaneous stimulatory and inhibitory effects on immune system of recipients

Immunological unresponsiveness
Bazin H; et al
1980 J Immunol 124 (5) May 2373-2377 Wm
Schistosoma mansoni, rats, effect of neonatal injection of anti-μ antibodies on immunoglobulin levels, on in vitro cytotoxicity assays, on immunity to primary infection, and on immunity to reinfection

Immunological unresponsiveness
Bender AP et al
1981 Vet Rec 108 (2) Jan 10 41 Wa
Dirofilaria immitis, allogenic spleen cells killed microfilariae of another dog whose spleen cells could not kill its own microfilariae, may indicate that some form of immunosuppression is required for maintenance of microfilaraemia; culture medium in which microfilariae maintained motility for 44 days and 3 hours

Immunological unresponsiveness
Berger R; Kraman S; Paciotti M
1980 Am J Trop Med and Hyg 29 (1) Jan 31-34 Wa
Strongyloides stercoralis, 66-year-old man, pulmonary strongyloidiasis complicating therapy with corticosteroids, secondary bacterial meningitis and pneumonia, good response to thiabendazole and other therapy

Immunological unresponsiveness
Bhatia A; Aggarwal A; Vinayak VK
1980 Indian J Med Research 72 July 33-37 Wa
Plasmodium berghei, mice, suppression of immune response to sheep red blood cells, restoration of immunological response after chloroquine therapy

Immunological unresponsiveness
Bindseil E; Andreassen J
1981 Parasitology 83 (3) Dec 489-496 Wa
Ascaris suum, effect on growth and expulsion of Hymenolepis diminuta in mice, immunodepressive effect not found

Immunological unresponsiveness
Blaser K; Nakagawa T; de Weck AL
1981 J Immunol 126 (3) Mar 1180-1184 Wm
suppression of anti-hapten IgE and IgG antibody responses by isologous anti-idiotypic antibodies against purified anti-carrier (ovalbumin) antibodies in BALB/c mice, BPO-Ascaris suum protein extract one of antigens used

Immunological unresponsiveness
Bloom BR; Tanowitz H; Wittner M
1979 Immune Mech and Dis 69-100 Wm; Wa
mechanisms for escape of immune surveillance by parasites, review (old-time genetic engineering; antigenic variation; antigenic mimicry and concomitant immunity; learning to live in your macrophages; jamming the immune response; subversion of the immune system)

Immunological unresponsiveness
Brandt de Oliveira, R; Voltarelli JC; Meneghelli UG
1981 Parasite Immunol 3 (2) Summer 165-169 Wa
Strongyloides stercoralis, patient with hypogammaglobulinaemia but with no abnormality in cell-mediated immunity, severe persistent infection in spite of repeated courses of thiabendazole therapy, first evidence of relevant role of humoral immune response in human defenses against strongyloidiasis

Immunological unresponsiveness
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunological unresponsiveness
Brennan RO; Durack DT
1981 Lancet London (8259) 2 Dec 12 1338-1339 Wa
Pneumocystis carinii, contributing organism in newly recognized syndrome of opportunistic infections in homosexual males, named 'gay compromise syndrome' as those infected seem to be severely immunocompromised, brief clinical discussion, case report

Immunological unresponsiveness
Brooks BO; Reed ND
1981 Exper Parasitol 52 (1) Aug 49-52 Wa
Trypanosoma musculi, mice, development of passive hemagglutination technique to measure antibody, assay used to investigate specific antibody responses of nude vs. normal mice

Immunological unresponsiveness
Brown KN; Hills LA
1981 Tropenmed u Parasitol 32 (2) June 67-72 Wa
Plasmodium berghei, protective immunity in mice and rats is significantly enhanced by phenylhydrazine treatment, this effect generates memory, can be transferred with spleen cells, and can have both enhancing and suppressive action on protective immune response in recipients, implications for role of erythrocyte destruction in protective immunity to malaria

Immunological unresponsiveness
Bueding E; Hawkins J; Cha YN
1981 Agents and Actions 11 (4) July 380-383 Wm
Schistosoma mansoni, mice, antischistosomal effects of cyclosporin A (new selective immunosuppressive agent), synergistic antischistosomal effects of cyclosporin A with subcurative dose of amoscanate, evidence suggests antischistosomal effects are mediated through stimulation of host mechanisms directed against parasite

Immunological unresponsiveness
Bullock WE
1979 Immunol Aspects Infect Dis 269-294 Wa
mechanisms of anergy in infectious diseases, review, includes brief mention of several parasites

Immunological unresponsiveness
Burgess DE; Hanson WL
1980 Cellular Immunol 52 (1) June 176-186 Wa
Trypanosoma cruzi, mice, T-cell dependence of primary immune response, effects of depletion of T cells and Ig-bearing cells on immunological memory

Immunological unresponsiveness
Buxton D
1980 J Med Microbiol 13 (2) May 307-311 Wa
Toxoplasma gondii, congenitally athymic nude mice, infection with normally avirulent cyst-producing strain, much less able to cope with infection than their hirsute littermates

Immunological unresponsiveness
Buxton D et al
1980 J Comp Path 90 (2) Apr 331-338 Wa
Toxoplasma gondii in mice infected with louping-ill virus may stimulate 2 independent mechanisms: increased susceptibility to the virus and antiviral activity, possibly mediated by toxoplasma stimulation of interferon production

Immunological unresponsiveness
Campbell CC; Martinez JM; Collins WE
1980 Am J Trop Med and Hyg 29 (2) Mar 151-157 Wm
Plasmodium falciparum, P. vivax, longitudinal study of 113 women and their newborns to estimate malaria incidence and indirect fluorescent antibody response to infection, depressed IFA response to P. falciparum in 3rd trimester of pregnancy, limited transplacental immunization of newborns, appears that passive immunity can exert little effect on incidence of infant malaria: coastal El Salvador

Immunological unresponsiveness
Camus D et al
1981 Immunopharmacology 3 (3) Sept 193-204 Wa
Schistosoma mansoni-infected or uninfected rats or mice, in vivo modulation of specific and nonspecific cell-mediated immune responses by dialyzable schistosome incubation product (inhibitory factor of lymphocyte proliferation elicited in vitro)

Immunological unresponsiveness
Capron M et al
1980 Parasite Immunol 2 (3) Autumn 223-235 Wa
Schistosoma mansoni, humans (from Burundi and Brazil), Erythrocebus patas, inverse relationship between cytotoxic antibodies and circulating schistosome antigens, probable transfer of cytotoxic antibodies from mother to child through placenta, possible mechanisms for inhibitory role of circulating immune complexes on complement-dependent cytotoxic activity

Immunological unresponsiveness
Carlier Y et al
1980 Am J Trop Med and Hyg 29 (1) Jan 74-81 Wa
Schistosoma mansoni-infected African parturients, their uninfected newborn children, infected men, and infected non-pregnant women, evaluation of circulating soluble antigens (CSA) by sandwich radioimmunoassay, of circulating antibodies (CAb) by indirect hemagglutination, and of immune complexes (CIC) by Clq binding test, results indicate probable transplacental transfer of CSA from mother to fetus and possible modulation of CSA level by specific CAb and CIC formation

Immunological unresponsiveness
Carvalho EM; Teixeira RS; Johnson WD jr
1981 Infect and Immun 33 (2) Aug 498-502 Wa
Leishmania chagasi, human, cell-mediated immunity, reversible immunosuppression during acute infection

Immunological unresponsiveness
Castro GA; Malone C; Smith S
1980 J Parasitol 66 (3) June 407-412 Wa
Trichinella spiralis, rats, systemic anti-inflammatory effect associated with enteric trichinellosis

Immunological unresponsiveness
Cha YN et al
1980 Am J Trop Med and Hyg 29 (2) Mar 234-238 Wa
Schistosoma mansoni-infected athymic nude mice vs. normal heterozygotes, activities of several hepatic drug-metabolizing enzymes, severe reductions of hepatic drug-metabolizing capacity occur only in mice that are immunologically competent and are dependent on host's response to parasite eggs

Immunological unresponsiveness
Chaudhuri B et al
1980 Acta Cytol 24 (4) July-Aug 360-362 Wa
Strongyloides stercoralis, immunosuppressed man, disseminated infestation detected by cytologic examination of sputum, bronchial washing, and brushing: University of Illinois Hospital

Immunological unresponsiveness
Chensue SW; Boros DL; David CS
1980 J Exper Med 151 (6) June 1 1398-1412 Wa
Schistosoma mansoni, mice, regulation of granulomatous inflammation, in vitro characterization of T lymphocyte subsets involved in production and suppression of migration inhibition factor

Immunological unresponsiveness
Chensue SW; Wellhausen SR; Boros DL
1981 J Immunol 127 (1) July 363-367 Wm
Schistosoma mansoni-infected mice, participation of Ly $1^+$ and Ly $2^+$ T lymphocytes in suppression of granuloma formation and lymphokine production

Immunological unresponsiveness
Chinchilla M; Guerrero OM; Portilla E
1980 Rev Biol Trop 28 (1) July 109-119 Issued Sept Wa
Leishmania mexicana, L. braziliensis, hamsters immunized with dead antigen and non-immunized hamsters, effect of treatment with cortisone and challenge with live parasites

Immunological unresponsiveness
Chouvet B et al
1979 Ann Dermat et Venereol 106 (6-7) June-July 569-574 Wm
Sarcoptes scabiei var. hominis, Norwegian type, humans, case reports, pathogenesis unclear but immunologic deficiencies seem to be principal determinants, pathology, clinical management

Immunological unresponsiveness
Christensen NO et al
1981 J Parasitol 67 (2) Apr 164-166 Wa
Echinostoma revolutum-infected mice, homologous immunotolerance, decreased resistance to Schistosoma mansoni

Immunological unresponsiveness
Chung PR; Chang JK; Soh CT
1975 Yonsei Rep Trop Med 6 (1) Nov 31-36 Wm
Toxoplasma gondii-infected mice treated with cortisone, acceleration in development of Toxoplasma cysts in tissue, suppression of macrophage supply into peritoneal cavity, most mice that died were males

Immunological unresponsiveness
Cioli D et al
1980 Cellular Immunol 53 (2) Aug 1 246-256 Wa
Schistosoma mansoni, rats, resistance to reinfection in various host strains and in thymectomized hosts, peripheral eosinophilia, liver morphology

Immunological unresponsiveness
Clayton CE
1979 Trop Dis Research Ser (1) 97-119 Wa
trypanosomiasis, malaria, immunosuppression, review

Immunological unresponsiveness
Clayton CE et al
1980 Infect and Immun 28 (3) June 824-831 Wm
Trypanosoma b. brucei, mice, cellular proliferation and functional depletion in blood, peritoneum, and spleen related to changes in bone marrow stem cells

Immunological unresponsiveness
Coelho PMZ et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 141 Wa
Schistosoma mansoni-infected mice subsequently infected with Leishmania mexicana mexicana, shortened incubation period for leishmaniasis, possibly due to immunodepressive effects of Schistosoma mansoni

Immunological unresponsiveness
Colley DG
1981 J Immunol 126 (4) Apr 1465-1468 Wm
Schistosoma mansoni, mice, T lymphocytes that contribute to immunoregulation of granuloma formation in chronic infection

Immunological unresponsiveness
Colley DG
1981 Fed Proc 40 (5) Apr 1440-1442 Wa
immunoregulatory aspects of parasitic infections, minisymposium summary

Immunological unresponsiveness
Colley DG; Kayes SG
1979 6 Internat Convoc Immunol 268-273 Wm; Wa
schistosomiasis, immunopathology and immunoregulation, review

Immunological unresponsiveness
Conley FK
1980 Cancer Research 40 (4) Apr 1240-1244 Wa
Toxoplasma gondii-infected rats with ethylnitrosourea-induced central nervous system tumors, lack of tumor inhibition by chronic parasitic infection as opposed to protective mechanisms exhibited in infected mice, inflammatory component produced by Toxoplasma organism in brain may be necessary prerequisite for tumor inhibition

Immunological unresponsiveness
Correa M; Narayanan PR; Miller HC
1980 J Immunol 125 (2) Aug 749-754 Wm
Plasmodium chabaudi, suppressive activity of splenic adherent cells from infected mice

Immunological unresponsiveness
Corrier DE; Wagner GG; Adams LG
1981 Am J Vet Research 42 (1) Jan 19-21 Wa
Anaplasma marginale, calves, recrudescence induced by immunosuppression with cyclophosphamide, suggests that humoral immunity may contribute significantly in maintaining a state of equilibrium in Anaplasma-host relationship and that suppression of humoral immune response may alter course and outcome of infection in Anaplasma carriers

Immunological unresponsiveness
Corsini AC; et al
1980 Immunology 40 (4) Aug 505-511 Wa
Trypanosoma cruzi, fraction from epimastigotes depresses humoral and cell-mediated immune responses in mice

Immunological unresponsiveness
Corsini AC; Oliveira OLP; Costa MG
1980 Ztschr Parasitenk 64 (1) 85-93 Wa
Trypanosoma cruzi, highly resistant mice, humoral suppression to sheep red blood cells in both acute and chronic stages of infection, importance of timing between infection and antigen presentation, parasitaemia, xenodiagnosis

Immunological unresponsiveness
Corsini AC; Vilela MMS; Piedrabuena AE
1981 Tropenmed u Parasitol 32 (2) June 82-86 Wa
Trypanosoma cruzi, human, chronic Chagas' disease patients, serum levels of IgM, IgG, IgA, complement, number of circulating T and B lymphocytes, no evidence of immune complexes, unimpaired delayed type hypersensitivity reactions to various antigens, humoral suppression to typhoid vaccine

Immunological unresponsiveness
Cottrell BJ; Humber D; Sturrock RF
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 415-416 Wa
Schistosoma mansoni, factor in sera of patients that suppresses cell-mediated response

Immunological unresponsiveness
Cottrell BJ; Sturrock RJ; Vanhoegaerden M
1980 Immunology 39 (4) Apr 589-598 Wa
Schistosoma mansoni-infected Papio anubis, reduced cell-mediated immunity, suggested that immunosuppressive factors in serum are immune complexes

Immunological unresponsiveness
Cunningham DS et al
1981 Exper Parasitol 51 (2) Apr 257-268 Wa
Trypanosoma cruzi in relatively resistant vs. highly susceptible strain of mice, antibody response to previously unencountered antigens, autoantibody activity, proposed that T. cruzi-associated antigens differentially affect B-cell-responsive and -responding clones, unlikely that nonspecific induction of immunoglobulin synthesis is purely responsible for immunosuppressed condition of both susceptible and resistant mice, immunopotentiating effect of T. cruzi demonstrated in 2 ways, possible significance of polyclonal activation in experimental Chagas' disease

Immunological unresponsiveness
Cunningham DS; Benavides GR; Kuhn RE
1980 J Immunol 125 (5) Nov 2317-2321 Wm
Trypanosoma cruzi-infected mice vs. mice administered T. cruzi-induced suppressor substance, differences in regulation of humoral responses, interactions between T cells and B cells

Immunological unresponsiveness
Cunningham DS; Benavides GR; Kuhn RE
1980 J Parasitol 66 (5) Oct 722-729 Wa
Trypanosoma cruzi, suppression of mitogen-induced lymphoblast transformation by parasite-induced suppressor substance

Immunological unresponsiveness
Cunningham DS; Grogl M; Kuhn RE
1980 Infect and Immun 30 (2) Nov 496-499 Wa
Trypanosoma cruzi, humans, suppression of antibody responses against sheep erythrocytes

Immunological unresponsiveness
Cunningham DS; Hazen TC; Kuhn RE
1981 J Parasitol 67 (4) Aug 468-474 Wa
Trypanosoma cruzi-susceptible and -resistant mice were both more resistant to challenge with Aeromonas hydrophila following infection with T. cruzi, increased resistance depended on several factors but was generally independent of the immunosuppressed condition caused by T. cruzi infection

Immunological unresponsiveness
Cunningham DS; Kuhn RE
1980 Immunogenetics 10 (6) June 1 557-571 Wa
Trypanosoma cruzi-induced suppressor substance (SS), mode of action in inhibiting responses of lymphoid cells to T-cell-dependent and -independent antigens, evidence that effectiveness of SS is related to H-2 haplotype of cells being suppressed

Immunological unresponsiveness
Cunningham DS; Kuhn RE
1980 J Immunol 124 (5) May 2122-2129 Wm
Trypanosoma cruzi-induced suppressor substance, cellular involvement and partial characterization

Immunological unresponsiveness
Cunningham DS; Kuhn RE
1980 J Parasitol 66 (1) Feb 16-27 Wa
Trypanosoma cruzi-induced suppression of primary immune response in murine cell cultures to T-cell-dependent and -independent antigens, plastic-adherent macrophagelike cell plays major role in suppressed humoral responses

Immunological unresponsiveness
Cunningham DS; Kuhn RE
1980 J Parasitol 66 (3) June 390-398 Wa
Trypanosoma cruzi, mice, lymphoblast transformation as measure of immune competence during experimental Chagas' disease

Immunological unresponsiveness
Cunningham DS; Kuhn RE
1980 J Parasitol 66 (6) Dec 881-887 Issued May 6 1981 Wa
Trypanosoma cruzi-induced suppressor substance, activation of suppressor cells

Immunological unresponsiveness
Cunningham DS; Kuhn RE; Hatcher FM
1981 Exper Parasitol 51 (1) Feb 141-151 Wa
Trypanosoma cruzi, responses by cells from infected mice to alloantigens, implications for mechanism of parasite-induced immunosuppression of cell-mediated responses

Immunological unresponsiveness
D'Alesandro PA; Clarkson AB jr
1980 Exper Parasitol 50 (3) Dec 384-396 Wa
Trypanosoma lewisi, significant reductions in ablastic activity can be achieved through adsorption of immune serum with IgG-negative trypanosomes from immunosuppressed hosts, direct evidence that ablastin is an avid and adsorbable antibody

Immunological unresponsiveness
Dasgupta A; Shukal Bala
1978 Indian J Med Research 67 Jan 30-33 Wa
Litmosoides carinii, naturally infected rats may carry soluble antigen in their circulation, parasite can exert immunosuppressive effect in rats with high level of microfilariae in peripheral blood

Immunological unresponsiveness
Dean JH et al
1980 J Reticuloendothel Soc 28 (6) Dec 571-583 Wm
adult exposure of female mice to therapeutic levels of diethylstilbestrol can severely impair host resistance to syngeneic tumor cells, Listeria, endotoxin, and Trichinella spiralis

Immunological unresponsiveness
Delcourt JN et al
1979 Arch Fr Pediat 36 (9) Nov 873-884 Wm
Pneumocystis carinii, immunocompromised children, retrospective study of 33 cases to define optimal management, endobronchial brushing recommended as simple, effective, and rapid diagnostic method

Immunological unresponsiveness
Delgado O et al
1981 Clin Immunol and Immunopathol 19 (3) June 351-359 Wm
cutaneous leishmaniasis, dialyzable leukocyte extract therapy in immunodepressed patients

Immunological unresponsiveness
Dessein AJ et al
1981 J Exper Med 153 (2) Feb 1 423-436 Wa
Trichinella spiralis, rats, selective suppression of IgE antibody response diminishes resistance and eosinophil response to infection

Immunological unresponsiveness
De Waele M; Thielemans C; Van Camp B
1981 N England J Med 305 (4) July 23 228 Wa
Toxoplasma gondii-infected patient, cell-surface phenotypes of peripheral lymphocytes, infection triggers proliferation and activation of T-cytotoxic or T-suppressor cells or both

Immunological unresponsiveness
Dhar DN; Sharma RL; Bansal GC
1981 Vet Parasitol 8 (3) July 219-228 Wa
Dictyocaulus filaria, lambs, effect of inoculum size and betamethasone treatment on host survival and faecal larval production

Immunological unresponsiveness
Diamantstein T et al
1980 Immunology 41 (2) Oct 347-352 Wa
Entamoeba histolytica extracts, mitogenicity for murine lymphocytes, possibility that impaired cell-mediated immune response in amoebiasis patients might be related to action of amoeba on T lymphocytes

Immunological unresponsiveness
Doenhoff MJ et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 41-53 Wa
Schistosoma mansoni, immunological control of hepatotoxicity and parasite egg excretion, stage specificity of therapeutic effect of immune serum in heavily infected T-cell deprived mice, protection assessed both by recipients' serum transaminase concentrations and degree of cytoplasmic microvesicular damage in livers

Immunological unresponsiveness
Duncombe VM et al
1980 Austral J Exper Biol and Med Sc 58 (1) Feb 19-26 Wa
Giardia muris, mice, effect of iron deficiency, protein deficiency, and dexamethasone on infection, re-infection, and tinidazole treatment

Immunological unresponsiveness
Duncombe VM et al
1981 Am J Clin Nutrition 34 (3) Mar 400-403 Wa
Nippostrongylus brasiliensis-infected rats fed a low protein diet, delayed worm expulsion, syngeneic bone marrow cell transfer from immune or nonimmune donors resulted in accelerated worm expulsion

Immunological unresponsiveness
Dunne DW et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 54-71 Wa
Schistosoma mansoni, identification and partial purification of egg antigen ($\omega_1$) which induces in normal mice synthesis of precipitating antibodies capable of preventing development of hepatotoxic reaction and of enhancing egg excretion in heavily infected T-cell deprived recipient mice

Immunological unresponsiveness
Eling WMC
1980 Infect and Immun 30 (3) Dec 635-641 Wa
Plasmodium berghei, mice, host strain-specific effect of splenectomy on morbidity, mortality, and immunological responsiveness, results suggest active role of spleen in generation of (immuno)pathological reaction during primary infection in intact animal

Immunological unresponsiveness
Ellner JJ; et al
1980 J Immunol 125 (1) July 308-312 Wm
Schistosoma mansoni, humans, advanced hepatosplenic disease, suppressor splenic T lymphocytes

Immunological unresponsiveness
Ellner JJ et al
1981 J Immunol 126 (1) Jan 309-312 Wm
Schistosoma mansoni, Egyptians with heavy infections, with light infections, and with hepatosplenomegaly, responses of peripheral blood mononuclear cells, first demonstration of inverse relationship between specific immune responsiveness to adult worm antigens and intensity of infection

Immunological unresponsiveness
Emerson RG et al
1981 Pediatrics 67 (5) May 653-655 Wa
toxoplasmosis, neurological infection in immunologically compromised 10-year-old girl, early detection and prolonged therapy (sulfadiazine and pyrimethamine) resulted in favorable outcome, computed tomography scanning may be useful in diagnosis and follow-up

Immunological unresponsiveness
Faghihi Shirazi M et al
1980 Parasite Immunol 2 (2) Summer 155-161 Wa
Trypanosoma brucei-infected mice, complement (C3) levels, effect of C3 depletion, unlikely that C3 has any role in immunodepression or in mechanism whereby mice control successive variant populations of T. brucei in blood

Immunological unresponsiveness
Frankenburg S; Londner MV; Greenblatt CL
1980 Cellular Immunol 55 (1) Sept 15 185-190 Wa
Plasmodium berghei in immune and nonimmune mice, cellular changes in bone marrow, blast transformation and phagocytosis

Immunological unresponsiveness
Frelier PF
1980 Am J Vet Research 41 (8) Aug 1201-1207 Wa
Sarcocystis cruzi, cattle, correlation of in vitro lymphocyte function with structural changes in lymphoid tissue, results indicate that acute sarcocystosis is accompanied by lymphoid abnormality which could result in immunosuppression

Immunological unresponsiveness
Galvao MM et al
1980 Rev Hosp Clin S Paulo 35 (2) Apr 48-51 Wm
Toxoplasma gondii, patient immunosuppressed for renal transplant, neuropsychiatric involvement, case report, clinical aspects: Brasil

Immunological unresponsiveness
Gannon J
1980 Lab Animals 14 (3) July 189-192 Wa
Encephalitozoon cuniculi, course of infection in immunodeficient vs. immunocompetent mice, IgG and IgM antibody response, histopathology

Immunological unresponsiveness
Garb KS; Stavitsky AB; Mahmoud AAF
1981 J Immunol 127 (1) July 115-120 Wm
Schistosoma japonicum, mice, dynamics of antigen- and mitogen-induced responses, in vitro comparison between hepatic granulomas and splenic cells, kinetics recall spontaneous modulation of various clinical and pathologic parameters in natural disease

Immunological unresponsiveness
Gasbarre LC; Finerty JF; Louis JA
1981 Parasite Immunol 3 (3) Autumn 273-282 Wm
Trypanosoma brucei brucei-infected CBA/N mice (strain with B cell deficiency) vs. conventional mice, survival and level of parasitaemia, non-specific immune responses (polyclonal B cell activation in spleens, circulating immune complexes, immunosuppression)

Immunological unresponsiveness
Gasbarre LC; Hug K; Louis J
1981 Clin and Exper Immunol 45 (1) July 165-172 Wa
Trypanosoma brucei brucei, mice, suppression of T lymphocyte proliferative response to T. brucei antigens by systemic trypanosome infection, results indicate that both T cells and macrophages are affected by infection

Immunological unresponsiveness
Gastaut JA et al
1981 Nouv Presse Med 10 (16) Apr 11 1332 Wm
Leishmania donovani, 21-year-old woman in remission from acute lymphoblastic leukemia being treated with immunosuppressive drugs, acute visceral leishmaniasis: France

Immunological unresponsiveness
de Gee ALW; Shah SM
1979 Ann Soc Belge Med Trop 59 (2) June 199-201 Wa
Trypanosoma spp., calves (exper.), immunosupression of host's immune response may occur against a different Trypanosoma sp. or even against different variable antigenic types of the same species, preliminary communication

Immunological unresponsiveness
Ghose AC et al
1979 Tr Roy Soc Trop Med and Hyg 73 (6) 725-726 Wa
visceral leishmaniasis, humans, phytohaemagglutinin-induced lymphocyte transformation test, suppressed T-lymphocyte function: North Bihar, India

Immunological unresponsiveness
Green JA; Spruance SL; Cheson BD
1980 Cancer Philadelphia 45 (4) Feb 15 808-810 Wa
Toxoplasma gondii, 24-year-old man with untreated Hodgkin's disease and central nervous system toxoplasmosis, case report, toxoplasmosis successfully treated prior to initiation of anti-neoplastic therapy; previously, CNS-toxoplasmosis has been noted to complicate lymphomas after initiation of anti-neoplastic therapy, but these results suggest lymphoma per se may be a predisposing factor

Immunological unresponsiveness
Green WF; Colley DG
1981 Proc National Acad Sc Biol Sc 78 (2) Feb 1152-1156 Wa
Schistosoma mansoni, mice, modulation of egg-induced granuloma formation, role of I-J locus in regulating suppressor T lymphocyte aspects of modulation

Immunological unresponsiveness
Greene R
1980 Seminars Roentgenol 15 (1) Jan 50-72 Wm
opportunistic pneumonias, humans, clinical review, differential diagnosis, includes Toxoplasma, Pneumocystis, and Strongyloides

Immunological unresponsiveness
Greenwood AM et al
1981 Ann Trop Med and Parasitol 75 (2) Apr 261-263 Wa
malaria, children from endemic area, prior treatment with chloroquine enhances antibody response to meningococcal polysaccharide vaccine but not response to tetanus toxoid or measles vaccine: Nigeria

Immunological unresponsiveness
Griffin L; Allonby EW; Preston JM
1981 J Comp Path 91 (1) Jan 85-95 Wa
Trypanosoma congolense, Haemonchus contortus, 2 breeds of goat (Saanen x Galla and East African) varying in resistance, mixed vs. single infections, clinical and parasitological findings, immunosuppression by T. congolense may be responsible for effects observed

Immunological unresponsiveness
Griffin L; Waghela S; Allonby EW
1980 Vet Parasitol 7 (1) June 11-18 Wa
Trypanosoma congolense-infected goats (exper.), suppression of antibody response to Brucella vaccine, recovery of antibody response following berenil treatment

Immunological unresponsiveness
Grimfeld A et al
1981 Nouv Presse Med 10 (22) May 16 1846-1847 Wm
Pneumocystis carinii, 5-year-old immunosuppressed child, mixed infection with Chlamydia trachomatis: France

Immunological unresponsiveness
Grines C et al
1981 Arch Int Med Chicago 141 (7) June 935 Wa
Toxoplasma gondii, 2 patients with Hodgkin's disease, Toxoplasma meningoencephalitis with hypoglycorrhachia, diagnostic problems in immunocompromised host

Immunological unresponsiveness
Grosskinsky CM; Askonas BA
1981 Infect and Immun 33 (1) July 149-155 Wa
Trypanosoma brucei brucei, macrophages as primary target cells and mediators of immune dysfunction in African trypanosomiasis

Immunological unresponsiveness
Grove DI
1980 Brit Med J (6214) 280 Mar 1 598-601 Wa
Strongyloides stercoralis, prevalence in Allied ex-prisoners of war in south-east Asia, efficacy of various diagnostic methods, clinical manifestations, possible problems associated with immunosuppressed subjects: Australia

Immunological unresponsiveness
Grove DI; Dawkins HJS
1981 Parasitology 83 (2) Oct 401-409 Wa
Strongyloides ratti, mice, immunosuppression with prednisolone enhanced primary infection, permitted infection in innately resistant mice, and produced complex effects when administered during challenge infection, no evidence of autoinfection

Immunological unresponsiveness
Grun JL; Weidanz WP
1981 Nature London (5802) 290 Mar 12 143-145 Wa
Plasmodium chabaudi adami infection in B-cell-deficient mice results in activation of T-cell-dependent immune mechanism which terminates acute malaria in similar way to that in immunologically intact mice, these immunized B-cell-deficient mice were resistant to homologous challenge and P. vinckei challenge but not to P. yoelii or P. berghei

Immunological unresponsiveness
Guerrero J
1980 J Am Vet Med Ass 176 (10) May 15 1163-1165 Wa
levamisole, pharmacokinetics, mechanism of anthelmintic activity, immunomodulating activity and its mechanism, relevance for immunosuppression in parasitism

Immunological unresponsiveness
Haig DM; Lima GC; Mota I
1980 Parasite Immunol 2 (3) Autumn 175-187 Wa
Nippostrongylus brasiliensis, mice, suppression of anti-DNP IgE, IgG1, and agglutinating antibodies provided that immunization with DNP-Asc takes place within few days after infection

Immunological unresponsiveness
Hanson WL
1981 J Protozool 28 (1) Feb 27-30 Issued June 18 Wa
suppressive and enhancing effects of various antiprotozoal drugs on host immune response, possible procedures for enhancing immune response of host undergoing chemoprophylaxis or chemotherapy, symposium presentation

Immunological unresponsiveness
Haque A et al
1981 Clin and Exper Immunol 43 (1) Jan 1-9 Wa
Dipetalonema viteae infective larvae reach reproductive maturity in rats immunodepressed by prior exposure to Schistosoma mansoni or its products and in congenitally athymic rats

Immunological unresponsiveness
Haque A; Ogilvie BM; Capron A
1981 Exper Parasitol 52 (1) Aug 25-34 Wa
Dipetalonema viteae, mice, response of spleen cells to mitogens and antigens, seems unlikely that generalized immunodepression is major factor contributing to long survival of D. viteae in its host

Immunological unresponsiveness
Hatcher FM; Kuhn RE
1981 J Immunol 126 (6) June 2436-2442 Wm
Trypanosoma cruzi-infected mice, spontaneous lytic activity against allogeneic tumor cells and depression of specific cytotoxic responses

Immunological unresponsiveness
Hauteville D et al
1980 Nouv Presse Med 9 (24) May 31 1713-1714 Wm
Mediterranean visceral leishmaniasis, 19-year-old immunosuppressed male in leukemic remission: Toulon

Immunological unresponsiveness
Hayes MM; Kierszenbaum F
1981 Infect and Immun 31 (3) Mar 1117-1124 Wa
Trypanosoma cruzi, course of infection in mice given different doses, kinetics of lymphocyte responsiveness to mitogenic stimulation, variations in T and B cell contents of spleen during infection, effects of cyclophosphamide-induced immunosuppression during chronic infection; results indicate that immunosuppression in mice is characteristic of acute (but not chronic) phase of disease and that chronicity is likely to be attained and maintained as consequence of reestablishment of normal immune responsiveness

Immunological unresponsiveness
Hicsonmez G et al
1979 Turk J Pediat 21 (1) Jan 24-27 Wm
Toxoplasma, 15-year-old girl, developed toxoplasmosis while in remission from acute lymphoblastic leukemia, case report, clinical management, bactrim therapy

Immunological unresponsiveness
Hinz E; Domm S
1980 Tropenmed u Parasitol 31 (2) June 135-142 Wa
Echinococcus multilocularis, experimental infection of mother mice does not result in transfer of protective immunity to offspring, offspring of infected mothers show lower antibody titer and higher worm burden than mice born of non-infected mothers, may be due to suppressive action of transferred antibodies or to immunological tolerance from transfer of parasite antigen

Immunological unresponsiveness
Hirashima M; Yodoi J; Ishizaka K
1980 J Immunol 125 (4) Oct 1442-1448 Wm
Nippostrongylus brasiliensis, rats, regulatory role of IgE-binding factors from rat T lymphocytes, IgE-specific suppressive factor with IgE-binding activity

Immunological unresponsiveness
Howard JG; Hale C; Liew FY
1980 J Exper Med 152 (3) Sept 1 594-607 Wa
Leishmania tropica, nature and significance of specific suppression of cell-mediated immunity in highly susceptible mice

Immunological unresponsiveness
Howard JG; Hale C; Liew FY
1981 J Exper Med 153 (3) Mar 1 557-568 Wa
Leishmania tropica, prophylactic effect of sublethal irradiation as result of abrogation of suppressor T cell generation in genetically susceptible BALB/c mice

Immunological unresponsiveness
Howard RJ; Chapman CB; Mitchell GF
1980 Austral J Exper Biol and Med Sc 58 (2) Apr 201-205 Wa
Fasciola hepatica larvae, immunoglobulins are present at surface of living parasites obtained from intact, but not from nude, mice

Immunological unresponsiveness
Huether AM
1981 Tropenmed u Parasitol 32 (1) Mar 51-54 Wa
Trypanosoma cruzi, cyclophosphamide-immunosuppressed mice vs. untreated mice, course of parasitemia, parasite ultrastructure

Immunological unresponsiveness
Hunter KW jr et al
1981 Immunol Letters 2 (4) Jan 209-212 Wa
Plasmodium yoelii, mice, early enhancement of natural killer cell activity (correlated with transient early rise in serum interferon levels) followed by marked suppression later in course of infection, antibody-dependent cell-mediated cytotoxicity and responses of T and B lymphocytes to mitogens were suppressed throughout course of infection

Immunological unresponsiveness
Ibarra G; Rodriguez O; Gonzalez Ramos M
1980 Bol Med Hosp Inf Mexico 37 (2) Mar-Apr 239-246 Wm
Sarcoptes scabiei var. hominis, 16-year-old girl, case report, associated Silver Roussel's syndrome and cellular immunologic deficiency: Veracruz, Mexico

Immunological unresponsiveness
Iglezias SD
1980 Rev Hosp Clin S Paulo 35 (2) Apr 88-90 Wm
Balantidium coli and Strongyloides stercoralis mixed infections exacerbated in 44-year-old woman being treated with corticosteroids for South American pemphigus foliaceus, case report, fatal illness: Brasil

Immunological unresponsiveness
Ishizaka K et al
1981 Fed Proc 40 (8) June 2162-2166 Wm
Nippostrongylus brasiliensis, rats, regulation of IgE response by IgE binding factors, review

Immunological unresponsiveness
Itaya T et al
1980 Internat Arch Allergy and Applied Immunol 62 (4) 389-396 Wm
suppressive effects of various adjuvants on IgE antibody response of mice when given at certain times before immunization, DNP-Ascaris used as antigen

Immunological unresponsiveness
Jayawardena AN; Kemp JD
1979 Bull World Health Organ 57 suppl 1 255-259 Wa
Plasmodium yoelii and Babesia microti in CBA/N mice which carry X-linked recessive immunological defect, increased duration and severity of infections associated with markedly defective IgM antibody response to parasitized red cells and failure to produce autoantibodies to bromelain-treated mouse red blood cells

Immunological unresponsiveness
Johnson WD jr
1981 Infect and Immun 33 (3) Sept 948-949 Wa
Toxoplasma gondii, human, acute infection, chronological development of cellular immunity, dichotomy between resolution of clinical illness and responsiveness of B and T lymphocytes to toxoplasma antigens, transient period of antigen-specific immunosuppression

Immunological unresponsiveness
Jones TC
1981 Am J Path 102 (1) Jan 127-132 Wa
obligate intracellular protozoa, interactions with murine macrophages, symposium presentation: protozoal entry mechanisms and phagolysosomal system; protozoal intracellular survival and effects on macrophage function; macrophage antigen processing and genetics of immune response (includes mention of immunosuppression); lymphokine-induced microbicidal and microbistatic changes

Immunological unresponsiveness
Kar SK et al
1981 European J Immunol 11 (2) Feb 100-105 Wm
Trypanosoma congolense-infected mice, comparison of immune reactivity and cellular composition of different lymphoid organs at different stages of infection, results indicate spleen is primary site of immune depression and other lymphoid organs are very little affected

Immunological unresponsiveness
Kierszenbaum F
1981 Immunology 44 (3) Nov 641-648 Wa
Trypanosoma cruzi, mice, variation in lymphoproliferative responses to T. cruzi antigens, nature of specific immunological deficiency characteristic of acute phase of disease and no longer detectable during chronic period

Immunological unresponsiveness
Kierszenbaum F; Hayes MM
1980 Am J Trop Med and Hyg 29 (4) July 708-710 Wa
Trypanosoma cruzi, evaluation of lymphocyte responsiveness to polyclonal activators during acute vs. chronic experimental infection

Immunological unresponsiveness
Klei TR et al
1981 Acta Trop 38 (3) Sept 267-276 Wa
Brugia pahangi-infected Meriones unguiculatus, specific hypo-responsive granulomatous tissue reactions

Immunological unresponsiveness
Klei TR; McCall JW; Malone JB
1980 J Helminth 54 (3) Sept 161-166 Wa
Brugia pahangi, evidence for increased susceptibility of infected Meriones unguiculatus to subsequent homologous infections

Immunological unresponsiveness
Komissarenko VG; Shain AA
1981 Voprosy Onkol 27 (1) 36-40 Wm
patients with primary hepatic cancer and non-tumor lesions of liver, delayed hypersensitivity reactions, effect of opisthorchosis invasion (impairment of cellular immunity)

Immunological unresponsiveness
Kwa BH; Mak JW
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 522-527 Wa
Brugia malayi-infected Meriones unguiculatus, depression of delayed-type hypersensitivity responses to B. malayi antigens, normal delayed-type hypersensitivity responses to dinitrofluorobenzene, sheep red blood cells, and Dirofilaria immitis antigens

Immunological unresponsiveness
Lajeunesse MC; Viens P
1981 Canad J Microbiol 27 (9) Sept 893-898 Wa
Trypanosoma musculi, mice, depression of immune response to heterologous antigens

Immunological unresponsiveness
Lanken PN et al
1980 Am J Path (457) 99 (3) June 561-588 Wa
Pneumocystis carinii pneumonia, immunosuppressed rats, suitable model for study of alveolar response to infection

Immunological unresponsiveness
Leapman SB et al
1980 South Med J 73 (10) Oct 1400-1402 Wm
Strongyloides stercoralis, hyperinfection in patients after renal transplant with graft rejection, pharmacodynamics of therapy with thiabendazole and its metabolite, drug recommended as reasonable and safe in patients with compromised renal function

Immunological unresponsiveness
Leke R; Viens P; Davies AJS
1981 Clin and Exper Immunol 45 (3) Sept 627-632 Wa
Plasmodium chabaudi-infected normal, T cell-deprived, or nude mice, pattern of parasitaemia, some increase in virulence associated with sustained growth of organism in deprived mice, no positive evidence for modulation of antigenicity of parasite but this is suspected to be present

Immunological unresponsiveness
Lelchuk R; Playfair JHL
1980 Clin and Exper Immunol 42 (3) Dec 428-435 Wa
Plasmodium berghei, P. yoelii, unvaccinated and vaccinated mice, non-specific immunosuppression, 2 distinct types, may be either harmful or beneficial to host depending on response concerned

Immunological unresponsiveness
Lelchuk R; Sprott VMA; Playfair JHL
1981 Clin and Exper Immunol 45 (2) Aug 433-438 Wa
Plasmodium yoelii, P. berghei, mice, differential involvement of non-specific suppressor T cells in lethal infections, unlikely that non-specific suppression of cell-mediated immune responses is major cause of lethality

Immunological unresponsiveness
Lewis FA; Wilson EM
1981 Infect and Immun 32 (1) Apr 260-267 Wa
Schistosoma mansoni-infected C57BL/6 vs. CBA mice, host strain differences in lymphocyte responses and in vitro suppressor cell induction

Immunological unresponsiveness
Licois D; Coudert P
1980 Ann Recherches Vet 11 (3) 273-278 Wa
Eimeria intestinalis, rabbits (exper.), immunization, unsuccessful attempts to suppress immunity using immunodepressors, an antibiotic, Escherichia coli, and Eimeria piriformis

Immunological unresponsiveness
Ljungstroem I
1980 Parasite Immunol 2 (2) Summer 111-120 Wa
Trichinella spiralis, responsiveness of mouse spleen cells to various polyclonal T and B cell activators during infection

Immunological unresponsiveness
Ljungstroem I et al
1980 Infect and Immun 30 (3) Dec 734-740 Wa
Trichinella spiralis, mice, effect of parasite infection on intestinal fluid transport in concomitant enterotoxic diarrhea (cholera) and on local and systemic antibody formation to cholera toxin immunization

Immunological unresponsiveness
Lods F
1979 Bull Soc Opht France 79 (6-7) June-July 539-541 Wm
toxoplasmosis, child treated with immunosuppressives for acute leukemia, acquired toxoplasmic chorioretinitis, case report

Immunological unresponsiveness
Long E et al
1981 Ann Trop Med and Parasitol 75 (1) Feb 79-86 Wa
Plasmodium chabaudi infection in mice induces relative unresponsiveness to sheep erythrocytes in terms of serum antibody titres but fails to affect degree of acquired resistance to reinfection with Schistosoma mansoni, S. mansoni infection has inhibitory effects on P. chabaudi parasitaemia

Immunological unresponsiveness
Lucas S et al
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 633-643 Wa
Schistosoma mansoni-infected mice, effects of various immunosuppressive regimes on survival and liver pathology

Immunological unresponsiveness
Lucas SB et al
1980 J Helminth 54 (2) June 75-82 Wa
Hymenolepis nana, abnormal development in immunosuppressed mice

Immunological unresponsiveness
Macario AJL; Stahl W; Miller R
1980 Cellular Immunol 56 (1) Nov 235-239 Wm
Toxoplasma gondii, cyclic immunosuppression (to bacterial antigen) in genetic-low-responder mice but not in high-responder strain, no direct correlation between unresponsiveness and gradual lymphoid cell depletion that accompanies chronic toxoplasmosis

Immunological unresponsiveness
Macario AJL; Stahl W; Miller R
1980 Clin and Exper Immunol 41 (3) Sept 415-422 Wa
Toxoplasma gondii, mice with chronic infection, lymphocyte subpopulations in thymus, spleen, and peripheral and mesenteric lymph nodes, physiological pattern of change with host age, pattern was distinctive for each lymphoid organ

Immunological unresponsiveness
MacAskill JA et al
1981 Immunology 43 (4) Aug 691-698 Wa
Trypanosoma brucei, mice infected with $^{75}$Se-labelled trypanosomes, acute fulminating infections were result of inability of host to achieve effective levels of circulating antibody to cope with massive parasitaemias, not due to impaired macrophage function, no evidence that parasite caused any significant suppression of antibody responses, comparison with parasite strain which caused more chronic infection

Immunological unresponsiveness
McBride JS; Micklem HS
1981 Clin and Exper Immunol 44 (1) Apr 74-81 Wa
Plasmodium yoelii yoelii, mice, severe immunodepression of thymus-independent response to dextran, response near normal in chronic P. berghei infection

Immunological unresponsiveness
MacDermott RP et al
1980 Infect and Immun 30 (3) Dec 781-785 Wa
Plasmodium falciparum, P. vivax, naturally infected Thai adults, examination of peripheral blood mononuclear cells and sera in assays of blastogenic responsiveness to mitogenic lectins and allogeneic cell surface antigens, results indicate that blastogenic responsiveness remains intact during course of malaria infection and that patient sera is capable of exerting negative immunoregulatory effects

Immunological unresponsiveness
McDonald V; Sherman IW
1980 Clin and Exper Immunol 42 (3) Dec 421-427 Wa
Plasmodium chabaudi-immunized mice, lack of correlation between delayed-type hypersensitivity (DTH) and host resistance, DTH depression in immunized challenged mice coincided with steep rise in titre of malarial antibody

Immunological unresponsiveness
McDonald V; Sherman IW
1980 Exper Parasitol 49 (3) June 442-454 Wa
Plasmodium chabaudi, mice, immunization, protection, humoral and cell-mediated responses, passive transfer experiments, depressed delayed-type hypersensitivity reactions but increased titers of malarial antibody after challenge

Immunological unresponsiveness
Machnicka B; Choromanski L
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (9) 739-748 Wa
Trypanosoma cruzi-generated immunosuppression, influence on Hymenolepis diminuta development in mice, diminished humoral and cellular responses to H. diminuta, tapeworms not expelled

Immunological unresponsiveness
McNeely DJ et al
1980 J Rheumatol 7 (5) Sept-Oct 745-750 Wm
Strongyloides stercoralis, corticosteroid-treated patient, acute respiratory failure due to parasite infection associated with polymyositis; diagnostic alert, opportunistic pathogen in persons receiving immunosuppressive therapy

Immunological unresponsiveness
Maddison SE et al
1981 Am J Trop Med and Hyg 30 (3) May 609-615 Wa
Schistosoma mansoni, B-cell-deficient mice acquired as high a level of resistance to challenge infection as did intact control mice but had markedly suppressed IgM and IgG levels

Immunological unresponsiveness
Maleville J et al
1979 Semaine Hop Paris 55 (35-36) Oct 18-25 1641-1643 Wm
S[arcoptes] scabiei, 18-month-old infant, case report, widespread atypical erythematous and excoriated papular rash, differential diagnosis, localized rash had been treated earlier with cortisone cream

Immunological unresponsiveness
Mancini PE; Patton CL
1981 Molec and Biochem Parasitol 3 (1) May 19-31 Wa
Trypanosoma brucei brucei, parasite strain-related pattern of cyclic 3',5'-adenosine monophosphate changes during parasite developmental cycle in normal and immunosuppressed rats, possible regulatory role of cyclic AMP in differentiation of trypanosomes

Immunological unresponsiveness
Mansfield JM et al
1981 Cellular Immunol 63 (1) Sept 1 210-215 Wa
Trypanosoma rhodesiense-infected athymic nu/nu mice, depression of splenic B cell responses, suppressor macrophage is present in spleen cell preparations, results suggest that immunosuppression and splenic suppressor macrophage stimulation in experimental African trypanosomiasis are T-independent processes

Immunological unresponsiveness
Masake RA; Morrison WI
1981 Am J Vet Research 42 (10) Oct 1738-1746 Wa
Trypanosoma vivax-infected Boran cattle (exper.), spleen and lymph nodes, gross and histopathologic changes, membrane and intracytoplasmic immunoglobulin, deposits of immunoglobulin, in vitro proliferative response to mitogens of cells obtained from these organs, plasma immunoglobulin concentrations, evidence for existence of intact orderly immune response, results question relative importance of immunodepression in bovine trypanosomiasis

Immunological unresponsiveness
Matthay RA; Greene WH
1980 Med Clin North Am 64 (3) May 529-551 Wm
pulmonary infections in the immunocompromised patient, includes information on Toxoplasma gondii and Pneumocystis carinii

Immunological unresponsiveness
Mehta K et al
1980 Indian J Med Research 72 July 38-41 Wa
Wuchereria bancrofti, humans, suppression of mitogenic response to PHA and Con A

Immunological unresponsiveness
Melendez RD; Jimenez SE
1979 Acta Cien Venezolana 30 (3) 309-313 Wa
Trypanosoma vivax, outbred white rats, infection induced by chemical immunosuppression (methotrexate) and splenectomy

Immunological unresponsiveness
Meyrier A et al
1980 Ann Med Int Paris 131 (3) 153-156 Wm
Strongyloides stercoralis, overwhelming fatal infection in immunosuppressed patient who had undergone renal transplantation, case report: France (native of Guadeloupe)

**Immunological unresponsiveness**
**Mikhail IA et al**
**1981 Am J Trop Med and Hyg 30 (2) Mar 385-393 Wa**
**Schistosoma mansoni, Mesocricetus auratus as animal model to study association of salmonellosis and schistosomiasis, findings suggest that direct physical relationship between bacteria and worms facilitates establishment and growth of Salmonella paratyphi A in vivo and that deficit in host immune response is not major factor involved in enhanced growth of S. paratyphi A; concurrent Leishmania donovani infections have no effect on S. paratyphi A infections**

Immunological unresponsiveness
Millard LG
1977 Acta Dermato-Venereol 57 (1) 86-88 Wm
Sarcoptes scabiei, man, development of Norwegian scabies after prolonged treatment with large quantities of steroid ointments for classical scabies, case report

Immunological unresponsiveness
Mills JN et al
1980 Tropenmed u Parasitol 31 (3) Sept 299-312 Wa
Trypanosoma congolense in neonatal and 6-month-old calves, hemocytometer vs. cytofluorograf counts of trypanosomes in jugular blood, localization and quantitation of trypanosome in microvasculature, tests of dispersing agents (including macromolecular blood volume expanders, immunosuppressive agents, and berenil) to determine their efficacy in dislodging organisms from capillary walls

**Immunological unresponsiveness**
**Mitchell GF et al**
**1981 Austral J Exper Biol and Med Sc 59 (5) Oct 539-554 Wa**
**Leishmania tropica, resistance and abrogation of resistance to cutaneous leishmaniais in reconstituted BALB/c nude mice**

Immunological unresponsiveness
Moqbel R
1980 Parasite Immunol 2 (1) Spring 11-27 Wa
Strongyloides ratti, primary, secondary, and repeated infections of rats, histopathological changes with special reference to tissue eosinophils and mesenteric mast cells, effect of immunosuppression

Immunological unresponsiveness
Morges W; Weidanz WP
1980 Exper Parasitol 50 (2) Oct 188-194 Wa
Plasmodium yoelii, mice, T cells modulate immunodepression in vivo to pneumococcal polysaccharide, immunodepressive event involving antibody formation in vitro to sheep erythrocytes by spleen cells derived from infected mice is manifested by splenic macrophages but mediated by T cells

**Immunological unresponsiveness**
**Mosca W et al**
**1979 Acta Cien Venezolana 30 (4) 401-404 Wa**
**Chagasic patients without evidence of cardiomyopathy, lymphocyte blastogenesis when challenged with Trypanosoma cruzi, Leishmania brasiliensis and BCG antigens, no significant cross-reactivity nor immunosuppression demonstrated**

Immunological unresponsiveness
Murphy JR
1981 Infect and Immun 31 (1) Jan 396-407 Wa
Plasmodium berghei, P. yoelii, mice, analysis of infection-caused defects in macrophage microbicidal capacities, P. chabaudi infection did not cause similar defect

Immunological unresponsiveness
Murphy JR; Carter PB; MacDonald TT
1980 Infect and Immun 29 (2) Aug 827-830 Wa
Plasmodium berghei, failure of vaccination with formolized blood parasites to protect athymic nu/nu mice; course of infections in vaccinated-protected nu/+ mice varied markedly

**Immunological unresponsiveness**
**Nair KV; Gillon J; Ferguson A**
**1981 Gut 22 (6) June 475-480 Wm**
**Giardia muris-infected mice, study of effects of corticosteroid therapy in intestinal infection shows that such treatment leads to recrudescence of occult infection, implication for human intestinal protozoan infections**

Immunological unresponsiveness
Nauta EH
1979 Immunol Aspects Infect Dis 343-387 Wa
infection in the compromised host, review, includes section on protozoal infections

Immunological unresponsiveness
Ngwenya BZ
1980 Parasitology 81 (1) Aug 17-26 Wa
Nippostrongylus brasiliensis- or Trichinella spiralis-infected lactating vs. nulliparous mice, depressed lysophospholipase B levels in intestine, reduced numbers of bone-marrow eosinophils, relation to worm expulsion

**Immunological unresponsiveness**
**Nogues C et al**
**1980 Ann Pediat Paris 27 (4) Apr 207-216 Wm**
**Pneumocystis carinii and other infections causing pneumonia in immunosuppressed children, histopathology of 22 cases**

**Immunological unresponsiveness**
**O'Donnell IJ et al**
**1980 Austral J Biol Sc 33 (1) Mar 27-34 Wa**
**Lucilia cuprina, fly-struck sheep, serum IgG antibodies to larval antigens in solid-phase radioimmunoassay, more severe myiasis in previously struck vs. unstruck sheep when subjected to standard larval challenge, immunosuppressive therapy reduces extent of myiasis**

Immunological unresponsiveness
Ogilvie BM; Askenase PW; Rose ME
1980 Immunology 39 (3) Mar 385-389 Wa
Nippostrongylus brasiliensis, Trichinella spiralis, basophils and eosinophils in 3 strains of rats and in athymic (nude) rats following infection

Immunological unresponsiveness
Omran SA et al
1978 J Egypt Med Ass 61 (11-12) 795-802 Wm
schistosomiasis patients with iron-deficiency anaemia and hypoproteinaemia, impairment of cell-mediated immune response when levels of haemoglobin fall to 10 g. or less

Immunological unresponsiveness
Ottesen EA
1979 Immune Mech and Dis 215-233 Wm; Wa
filariasis, human, immune responses discussed in relation to penetration stage of infection, persistence of infection, and pathology, review

Immunological unresponsiveness
Ottesen EA; Poindexter RW
1980 Am J Trop Med and Hyg 29 (4) July 592-597 Wa
Schistosoma mansoni, human, humoral suppressive factors which inhibit lymphocyte proliferative responses to parasite antigens

Immununological unresponsiveness
Paes de Oliveira M
1977 An Brasil Dermat 52 (3) July-Sept 353-359 Wm
leishmaniasis recidiva cutis, 11-year-old girl, clinical aspects, case report, cause unknown but possibly due to some disturbance of immunological mechanisms: Rio de Janeiro

Immunological unresponsiveness
Pappas MG et al
1981 J Clin Invest 67 (1) Jan 183-192 Wa
Plasmodium berghei, mice, complement-mediated defect in clearance and sequestration of sensitized autologous erythrocytes, association of hypocomplementemia with major splenic defect in clearance late in malaria infection may explain accumulation of immune complexes in pathological sites

Immunological unresponsiveness
Pearson TW et al
1981 J Immunol 126 (3) Mar 823-828 Wm
Trypanosoma brucei, variable surface antigens, studies using two-dimensional gel electrophoresis and monoclonal antibodies, possible explanation for role of variable antigens in pathogenesis of African trypanosomiasis

Immunological unresponsiveness
Pelster B
1980 Ztschr Parasitenk 63 (2) 177-189 Wa
Toxoplasma gondii, mice infected with high and low virulent strains, histopathology of spleen, dynamics of spleen lymphocytes, immunosuppression following immunization with sheep erythrocytes

Immunological unresponsiveness
Pepys MB et al
1980 Immunology 39 (2) Feb 249-254 Wa
Schistosoma mansoni, mice, effect of T-cell deprivation on formation of hepatic granulomata and serum levels of acute phase proteins (C3 and serum amyloid P-component)

Immunological unresponsiveness
Perez H; Pocino M; Malave I
1981 Infect and Immun 32 (2) May 415-419 Wa
Leishmania mexicana-infected mice, nonspecific immunodepression (to sheep erythrocytes), specific responses (as exemplified by protective immunity to challenge infection and delayed hypersensitivity responses to parasite antigens) were apparently unaffected

Immunological unresponsiveness
Perrudet-Badoux A et al
1980 J Parasitol 66 (4) Aug 671-673 Wa
Trichinella spiralis, course of infection in athymic nude rats, reaction pattern supports concept of thymus-dependence of host response to Trichinella

Immunological unresponsiveness
Petchclai B; Koonakosit R; Akarawong K
1980 Southeast Asian J Trop Med and Pub Health 11 (1) Mar 55-57 Wa
Entamoeba histolytica, humans with hepatic abscesses, leucocyte migration test demonstrates cell-mediated immune response, some evidence of immunosuppression

Immunological unresponsiveness
Phillips SM et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 820-831 Wa
Schistosoma mansoni, studies in athymic mice integrated with in vitro studies on granuloma formation, results indicate that resistance, granulomatous hypersensitivity and its modulation, and morbidity are contingent on thymus-dependent lymphocyte function

Immunological unresponsiveness
Piessens WF et al
1980 J Clin Invest 65 (1) Jan 172-179 Wa
Brugia malayi, patients with different stages of disease, differences in cell-mediated immune responses to microfilarial and adult worm antigens and to nonparasite antigens, patent microfilaremia associated with state of specific cellular unresponsiveness, implications for pathogenesis: South Kalimantan (Borneo)

Immunological unresponsiveness
Piessens WF et al
1980 N England J Med 302 (15) Apr 10 833-837 Wa
Brugia malayi, human, presence of antigen-specific suppressor cells and suppressor factors in blood

Immunological unresponsiveness
Piessens WF et al
1981 Acta Trop 38 (3) Sept 227-234 Wa
Brugia malayi-infected patients, effect of diethylcarbamazine treatment on immune responses to filarial antigens, partially reverses state of cellular unresponsiveness to parasite antigens associated with patent filarial infections

Immunological unresponsiveness
Pilz P; Blinzinger K; Sniesko I
1978 Arch Psychiat 225 (2) June 5 127-134 Wm
Toxoplasma gondii, 41-year-old man, case report, cerebral infection complicating Hodgkin's disease, indications of immunological impairment, light and electron microscopic study of necropsy tissue

Immunological unresponsiveness
Poulter LW
1980 Clin and Exper Immunol 40 (1) Apr 25-35 Wa
Leishmania enriettii, guinea pigs, intramacrophage localization of parasite protects it from innate and some acquired resistance but does not prevent induction of specific cell-mediated and humoral immunity, metastatic spread of disease may be cause rather than result of suppressed CMI

Immunological unresponsiveness
Poulter LW; Pearce MT
1980 Clin and Exper Immunol 42 (2) Nov 211-218 Wa
Leishmania enriettii, guinea-pigs with diffuse cutaneous leishmaniasis, development and decay of protective acquired cell-mediated immunity, loss of ability to resist challenge infection not associated with reduction in serum antibody levels, progressive disease is associated with local suppression of macrophage effector function

Immunological unresponsiveness
Powell RW et al
1980 Arch Int Med Chicago 140 (8) Aug 1061-1063 Wa
Strongyloides stercoralis, immunosuppressed humans, 2 cases of massive lower gastrointestinal hemorrhage associated with disseminated strongyloidiasis, therapeutic recommendations including use of thiabendazole in larger than normally recommended doses

Immunological unresponsiveness
Prasad R et al
1980 Internat J Parasitol 10 (2) Apr 93-96 Wa
Litomosoides carinii, albino rats, thiamine deficiency, greater susceptibility to infection, synergistic role in immunosuppressive effect of infection; antibody-dependent adhesion of splenic cells to microfilariae

Immunological unresponsiveness
Prasad R et al
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 459-462 Wa
Litomosoides carinii, pyridoxine-deficient albino rats, no development or establishment of parasite, inhibition of humoral immune response

Immunological unresponsiveness
Przyjalkowski Z et al
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 111-116 Wa
Trichinella spiralis-infected germfree and conventional mice, reactivity of lymphocytes

Immunological unresponsiveness
Przyjalkowski Z; Cabaj W; Kontny E
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (2) 109-115 Wa
Trichinella spiralis, germfree and conventional mice treated with immunosuppressive cyclophosphamide, course of intestinal infection, low dose immunosuppressive, high dose killed parasites

Immunological unresponsiveness
Przyjalkowski Z; Golinska Z; Bany J
1979 Bull Acad Polon Sc Cl II s Sc Biol 27 (2) 117-120 Wa
Trichinella spiralis, germfree and conventional mice, influence of immunosuppressant cyclophosphamide on serum IgM, IgG, and IgA levels

Immunological unresponsiveness
Przyjalkowski Z; Golinska Z; Bany J
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 71-74 Wa
Trichinella spiralis, lysozyme activity in course of experimental infection in germfree and conventional mice treated with cyclophosphamide

Immunological unresponsiveness
Quinones Soto RA et al
1980 Bol Asoc Med Puerto Rico 72 (12) Dec 609-613 Wm
Strongyloides stercoralis, immunocompromised patients, autoinfections, clinical review

Immunological unresponsiveness
Ramalho-Pinto FJ; Smithers SR
1981 Parasite Immunol 3 (3) Autumn 219-226 Wm
Schistosoma mansoni-infected mice, suppressor T cells in specific control of carrier response to TNP-schistosomula

Immunological unresponsiveness
Realdi G et al
1980 Pathologica (1020) 72 July-Aug 479-489 Wm
Strongyloides stercoralis, man being treated with steroids for myeloid leukosis, fatal hemorrhagic bronchopneumonia, clinical case report: Provincia di Padova

Immunological unresponsiveness
Rees PH et al
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 630-631 Wa
Leishmania donovani, kala-azar patients, skin test response to tuberculin and leishmanin (L. tropica), negative during active disease, some conversions to positive after successful cure, suggests that active kala-azar is associated with generalized non-specific depression of cell-mediated immune responses which reverts to normal after treatment

Immunological unresponsiveness
Reich CI; Zorzopulos J
1980 Exper Parasitol 50 (2) Oct 272-277 Wa
Boophilus microplus, cattle, production of antienzymes to larval tick phosphomonoesterases, kinetics suggest immunosuppression mechanism operates during normal infestation; antigenic ability of 2 subcellular fractions of larval extracts to induce antiphosphomonoesterases in guinea pigs

Immunological unresponsiveness
Reid HW et al
1980 J Med Microbiol 13 (2) May 313-318 Wa
Toxoplasma gondii-infected mice, increased susceptibility to louping-ill virus

Immunological unresponsiveness
Rocklin RE et al
1980 J Immunol 125 (5) Nov 1916-1923 Wm
Schistosoma mansoni, Kenyan children, cell-mediated (CMI) and humoral immune responses, results imply that several factors affect CMI response during course of infection including factors present in serum (possibly antigen-antibody complexes) and presence of antigen-specific suppressor cells

Immunological unresponsiveness
Rodriguez AM et al
1981 Infect and Immun 31 (2) Feb 524-529 Wa
Trypanosoma cruzi, rats treated with anti-μ rabbit antiserum, immunoglobulin levels, specific anti-parasite antibodies, complement levels, parasitemia and mortality, results indicate essential role of antibodies, probably in association with complement or effector cells or both, in immunity to acute Chagas' disease

Immunological unresponsiveness
Rose AH; Turner KJ
1980 Internat Arch Allergy and Applied Immunol 61 (3) 271-277 Wm
Balb/c mice, effect of low protein diet on IgE antibody responses to ovalbumin and Ascaris suum body fluid proteins

Immunological unresponsiveness
Ruebush MJ; Hanson WL
1980 Am J Trop Med and Hyg 29 (4) July 507-515 Wa
Babesia microti of human origin in mice, resistance to and recovery from primary infection is modulated by T lymphocytes, depressed B cell function and normal T cell function are correlates of this infection

Immunological unresponsiveness
Ruitenberg EJ; Buys J
1980 Vet Immunol and Immunopath 1 (3) Aug 199-214 Wa
Trichinella spiralis, mice, effects of pregnancy on course of infection and associated histopathological changes in thymus and small intestine (litter size, thymus atrophy and thymus mast cells, worm expulsion, recovery of muscle larvae, intestinal mast cells and globule leucocytes, intestinal eosinophils, antibody production, blood eosinophilia)

Immunological unresponsiveness
Rurangirwa FR et al
1980 Infect and Immun 27 (3) Mar 832-836 Wa
Trypanosoma congolense- or T. vivax-infected Bos indicus, hemolytic complement and serum C3 levels, effect of berenil treatment, role of low complement levels in immunosuppression remains equivocal

Immunological unresponsiveness
Rurangirwa FR et al
1980 Tropenmed u Parasitol 31 (1) Mar 105-110 Wa
Trypanosoma congolense-infected Bos indicus (exper.), reduced primary immune response to Leptospira biflexa immunization, secondary response (after berenil cure and re-immunization) suggested presence of intact memory cell population and was lower than (but not significantly different from) that of controls; effect of post infection serum on in vitro thymidine uptake by lymphocytes and on leucocyte migration

Immunological unresponsiveness
Rurangirwa FR et al
1980 Research Vet Sc 28 (2) Mar 264-266 Wa
Trypanosoma congolense- or T. vivax-infected cattle showed no significant suppression of neutralising antibody response against live rinderpest virus vaccine

Immunological unresponsiveness
Sacks DL et al
1980 Nature London (5746) 283 Jan 31 476-478 Wa
Trypanosoma brucei brucei, intrinsic immunosuppressive activity of different strains varies with parasite virulence

Immunological unresponsiveness
Sacks DL; Askonas BA
1980 European J Immunol 10 (12) Dec 971-974 Wa
Trypanosoma brucei-infected mice, immunosuppression of IgG and IgM anti-parasite antibody responses; severity of trypanosome-induced suppression of anti-parasite response, and IgM response in particular, determines course of infection by trypanosomes varying in virulence

Immunological unresponsiveness
St Charles MHC; Frank D; Tanner CE
1981 Immunology 43 (3) July 441-445 Wm
Trypanosoma lewisi, depressed response of spleen cells from infected rats in producing secondary response in vitro to sheep erythrocytes, ability of soluble products of trypanosome to induce this depression

Immunological unresponsiveness
Sandeman RM; Howell MJ
1981 Research Vet Sc 30 (3) May 294-297 Wa
Fasciola hepatica, sheep, primary and challenge infections, serum enzyme and precipitating antibody levels, worm recoveries, no resistance to challenge, apparent suppression of antibody response during challenge infection; recoveries of adult flukes from rats injected with metacercariae cultured in serum from normal and infected sheep or with freshly excysted metacercariae

Immunological unresponsiveness
Sasazuki T et al
1980 J Exper Med 152 (2 pt 2) Aug 1 314s-318s Wm
Schistosoma japonicum, human, association between HLA haplotype and low responsiveness to schistosomal worm antigen (evaluated by measuring antigen-specific proliferative response of peripheral T lymphocytes in vitro)

Immunological unresponsiveness
Selkirk ME; Sacks DL
1980 Tropenmed u Parasitol 31 (4) Dec 435-438 Wa
Trypanosoma brucei, immunosuppression in 2 mouse strains which differ considerably in their ability to survive infection, results confirm that variation in susceptibility to infection is related to ability to mount IgM response

Immunological unresponsiveness
Shimazaki C et al
1979 Rinsho Ketsueki (Japan J Clin Hematol) 20 (10) Oct 1385-1390 Wm
Clonorchis sinensis, 28-year-old woman with acute leukemia, importance of diagnostic consideration of this parasite in persons with depressed immune state

Immunological unresponsiveness
Smrkovski LL
1981 Infect and Immun 31 (1) Jan 408-412 Wa
Plasmodium berghei, mice, effect of route of Mycobacterium bovis BCG administration on suppression of protective immune response to sporozoite vaccination, results suggest potential for multiple vaccine interference and that relationships between vaccines and multiple infections are deserving of special attention

Immunological unresponsiveness
Smrkovski LL; Reed SG; Larson CL
1980 Am J Trop Med and Hyg 29 (1) Jan 16-20 Wa
Leishmania donovani, cortisone and cyclophosphamide suppress protective effects of BCG in mice challenged with amastigotes

Immunological unresponsiveness
Sollod AE; Frank GH
1979 Am J Vet Research 40 (5) May 658-664 Wa
Trypanosoma congolense, cattle (exper.), humoral immune response to nontrypanosomal antigens, peripheral blood lymphocyte responsiveness, no evidence that immunodepression is major pathologic mechanism in acute bovine infection

Immunological unresponsiveness
Stemmermann GN; et al
1980 Am J Med 69 (4) Oct 637-642 Wa
Cryptosporidium [sp.], immunodeficient woman, fatal case complicated by disseminated toxoplasmosis, pathology, autopsy findings: Honolulu

Immunological unresponsiveness
Sugar AM et al
1980 Am Rev Resp Dis 122 (3) Sept 501-503 Wa
Strongyloides stercoralis, immunosuppressed man, first report of theophylline toxicity induced by concurrent administration of thiabendazole

Immunological unresponsiveness
Suswillo RR; Doenhoff MJ; Denham DA
1981 Acta Trop 38 (3) Sept 305-308 Wa
Brugia pahangi, successful development in T-cell deprived CBA mice

Immunological unresponsiveness
Suswillo RR; Owen DG; Denham DA
1980 Acta Trop 37 (4) Dec 327-335 Wa
Brugia pahangi infections in conventional and nude (athymic) mice (exper.)

Immunological unresponsiveness
Suzuki Y; Watanabe N; Kobayashi A
1981 Infect and Immun 34 (1) Oct 30-35 Wa
Toxoplasma gondii-infected mice, nonspecific suppression of primary antibody responses, presence of plastic-adherent suppressor cells

Immunological unresponsiveness
Suzuki Y; Watanabe N; Kobayashi A
1981 Infect and Immun 34 (1) Oct 36-42 Wa
Toxoplasma gondii-infected mice, nonspecific suppression of initiation of memory cells

Immunological unresponsiveness
Tabel H et al
1981 Tropenmed u Parasitol 32 (3) Sept 149-153 Wa
Trypanosoma vivax, T. congolense, cattle, serum levels of immunoglobulins, natural heterophile antibodies to chicken and sheep red blood cells, and complement-fixing antibodies to T. vivax, concluded that there was little evidence for polyclonal activation of lymphocytes and that decreased $IgG_1$ levels in T. congolense group might have been reflection of immunosuppression, complement fixation test proved to be sensitive tool for monitoring antibody response to T. vivax, analogous complement fixation test could not be set up with T. congolense

Immunological unresponsiveness
Tamura T et al
1979 J Coll Dairying Nat Sc (17) 8 (1) Oct 89-98 Wa
Babesia gibsoni, dogs (exper.), effect of immunosuppressive treatments or splenectomy, results indicated spleen might play important role in immune mechanism and cell-mediated immunity might be related to protection

Immunological unresponsiveness
Tanowitz HB et al
1981 Exper Parasitol 52 (2) Oct 233-242 Wa
Trypanosoma cruzi, susceptible mouse strains showed inhibition or depression of primary antibody response to sheep red blood cells whereas resistant mouse strains showed either no inhibition or considerable augmentation of this response; mitogenic responses of spleen cells in vitro did not correlate with resistance or susceptibility in vivo

Immunological unresponsiveness
Tarleton RL; Kuhn RE; Cunningham DS
1981 Infect and Immun 31 (2) Feb 693-697 Wa
Trypanosoma cruzi, vaccination of highly susceptible C3H mice with mitomycin C-attenuated culture forms, induction of immunosuppression but not protection

Immunological unresponsiveness
Taylor DW et al
1980 Infect and Immun 28 (2) May 502-507 Wa
Plasmodium knowlesi in Macaca mulatta, alterations in distribution and proliferative responses of peripheral blood and spleen cells during infection

Immunological unresponsiveness
Teixeira ARL
1979 Bull World Health Organ 57 (5) 697-710 Wa
Trypanosoma cruzi, humans, immune mechanisms, trends in immunological research, and prospects for immunoprophylaxis, review

Immunological unresponsiveness
Teuber J; Brehm H; Stumpf J
1979 Immun u Infekt 7 (6) Dec 213-221 Wm
Trichinella spiralis, human, brief review (of history, epidemiology, biology and transmission, immunology, different diagnostic methods); evaluation of modified indirect immunofluorescence test; lymphocyte transformation test, evidence for immunosuppressive effect produced by adult worms

Immunological unresponsiveness
Thompson JP et al
[1980] J Parasitol 65 (6) Dec 1979 966-969 Issued Apr 2 Wa
Dipetalonema viteae transplanted into CBA/H vs. CBA/N mice (latter strain does not produce antibody to certain T independent immunogens), clearance of microfilariae and serum antibody response

Immunological unresponsiveness
Thompson JP et al
1981 J Parasitol 67 (5) Oct 728-730 Wa
Brugia malayi, efficient clearance of injected microfilariae in CBA/H mice in contrast to prolonged microfilaremia in CBA/N mice, CBA/N mice have delayed IgG and deficient IgM response in comparison to CBA/H mice, development of acquired resistance in CBA/H but not in CBA/N mice

Immunological unresponsiveness
Tizard IR; Mittal KR; Nielsen K
1980 Research Vet Sc 28 (2) Mar 203-206 Wa
Trypanosoma congolense, calves (exper.), no rise in immunoconglutinins (IKS) levels, trypanosome infection inhibited IKS response to Brucella abortus strain 19, possible reasons

Immunological unresponsiveness
Todd CW; Goodgame RW; Colley DG
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 875-881 Wa
Schistosoma mansoni, human, further analysis of interactions between patient sera and lymphocytes during in vitro blastogenesis to schistosome antigen preparations, results show that expression of suppressive effects of chronic serum depends both on capacity of sera to suppress and capability of peripheral blood mononuclear cells to be suppressed

Immunological unresponsiveness
Trizio D; Della Bruna C; Isetta AM
1980 Immunology 40 (3) July 353-358 Wa
Schistosoma mansoni in different strains of mice, time course of modification of immune responsiveness after cercarial exposure: antibody response, mitogen responsiveness, delayed hypersensitivity; both immunostimulation and immunodepression observed

Immunological unresponsiveness
Turk JL
1979 Immunol Aspects Infect Dis 421-452 Wa
immunology of chronic infections, review, includes sections on protozoal and helminthic infections

Immunological unresponsiveness
Ueda K et al
1977 Japan J Exper Med 47 (6) Dec 475-482 Wa
Pneumocystis carinii as cause of chronic fatal pulmonary disease in nude mice of barrier sustained colony, heterozygous littermates were much less susceptible but infection could be produced by provocation with immunosuppressants, age distribution of infections, clinical observations, histopathology, experimental transmission experiments with nu/nu and nu/+ mice with and without immunosuppressants

Immunological unresponsiveness
Ueda N et al
1979 Acta Path Japon 29 (2) Mar 221-232 Wm
Pneumocystis carinii pneumonia, opportunistic infection in man with adult T-cell leukemia and generalized cytomegalic inclusion disease, autopsy case report: Kochi, Shikoku Island, Japan

Immunological unresponsiveness
Urdaneta-Morales S; McLure I
1981 Acta Trop 38 (2) June 99-105 Wa
Trypanosoma cruzi, infections established in some lizards by inoculation from cultures and by immuno-suppression but not by blood from infected mice, feces from infected bugs, or forced feeding on ground-up infected bugs, possible factors responsible for natural resistance of poikilothermic vertebrates to T. cruzi

Immunological unresponsiveness
Urquhart GM
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 726-729 Wa
African trypanosomiasis in domestic animals, pathogenesis (anemia, tissue lesions, immunosuppression), immunology (prospects for vaccination, 'non-sterile immunity'), symposium presentation

Immunological unresponsiveness
Van Dam RH et al
1981 Vet Parasitol 8 (1) Feb 1-11 Wa
Trypanosoma vivax, goats (exper.), suppression of humoral and cell-mediated immunity

Immunological unresponsiveness
Venizelos PC et al
1980 Chest 78 (1) July 104-106 Wm
Strongyloides stercoralis, cause of respiratory failure in a male patient (bronchial biopsy, bronchial brushing) with a renal transplant, clinical aspects of primary treatment (thiabendazole) and prophylaxis: Chicago (from Puerto Rico)

Immunological unresponsiveness
Vinayak VK; Bhatia A; Aggarwal A
1981 Indian J Med Research 73 Suppl Jan 67-72 Wa
Plasmodium berghei-infected mice immunodepressed with cortisone or whole body irradiation, immunodepression afforded protection against parasite

Immunological unresponsiveness
Vincent AL; Sodeman WA jr; Winters A
1980 J Parasitol 66 (3) June 448 Wa
Brugia pahangi infections in normal vs. nude mice, results suggest resistance is directed against immature stages and depends upon presence of T-lymphocytes

Immunological unresponsiveness
Walkey M; Simmons DJC; Nasher AK
1980 J Parasitol 66 (3) June 420-423 Wa
Hymenolepis straminea, attempted infection of various rodent species, attempted infection of laboratory mice with reduced immunocompetence, results suggest role of thymus in protection

Immunological unresponsiveness
Walzer PD; Rutledge ME
1981 J Lab and Clin Med 97 (6) June 820-833 Wa
Pneumocystis carinii, rats, antibody titers and immunoglobulin levels in serum and bronchial lavage fluid, effects of steroid administration, steroid withdrawal, and prolonged environmental exposure to P. carinii on development of these humoral immune responses

Immunological unresponsiveness
Wang T et al
1980 Acta Cytol 24 (1) Jan-Feb 40-43 Wa
Strongyloides stercoralis, hyperinfected immunosuppressed 60-year-old male, diagnosis in sputum cytology: Hines VA Medical Center, Hines, Illinois

Immunological unresponsiveness
Webster ADB
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 440-443 Wa
giardiasis and immunodeficiency diseases, review

Immunological unresponsiveness
Wedderburn N et al
1981 Ann Trop Med and Parasitol 75 (6) Dec 597-605 Wa
Plasmodium yoelii, contrasting effects of infection on growth of 2 syngeneic transplantable murine tumours, results indicate malaria is not universal enhancing agent of oncogenesis and tumour growth but appears to facilitate induction and growth of virus-induced lymphomas

Immunological unresponsiveness
Weil GJ; Ottesen EA; Powers KG
1981 Exper Parasitol 51 (1) Feb 80-86 Wa
Dirofilaria immitis, dogs (exper.), parasite-specific humoral (IgG (enzyme-linked immunosorbent assay) and IgE (passive cutaneous anaphylaxis) titers) and cellular (lymphocyte transformation) immune responses, results consistent with observations in other host-parasite systems which suggest that in chronic tissue helminth infections cellular responses to parasite antigens are depressed while antibody reactions to the same antigens are relatively preserved

Immunological unresponsiveness
Weller IVD; Copland P; Gabriel R
1981 Brit Med J (6263) 282 Feb 14 524 Wa
Strongyloides stercoralis, infections in renal transplant recipients, case reports: England (Guyanese recipients)

Immunological unresponsiveness
Wellhausen SR; Mansfield JM
1980 Cellular Immunol 54 (2) Sept 1 414-424 Wa
Trypanosoma rhodesiense, mice, characteristics of splenic suppressor cell-target cell interaction

Immunological unresponsiveness
Wellhausen SR; Mansfield JM
1980 J Immunol 124 (3) Mar 1183-1186 Wm
Trypanosoma rhodesiense, mice, lymph node cell responsiveness becomes depressed later during infection than spleen cell responsiveness and does not result from detectable suppressor cell effects, responsiveness in spleen and lymph nodes is restored in animals cured with berenil

Immunological unresponsiveness
Wells RA et al
1980 Clin and Exper Immunol 39 (3) Mar 663-667 Wm
Plasmodium falciparum- or P. vivax-infected Thai adults, cold-reactive anti-lymphocytotoxic antibodies in sera, may play role in modulating immune response of patients toward malaria

Immunological unresponsiveness
West BC; Wilson JP
1980 Am J Ophth Chicago 89 (6) June 854-857 Wa
Strongyloides stercoralis, 57-year-old man treated with corticosteroids for corneal ulcer, hyperinfective strongyloidiasis of stomach and duodenum that resulted in physiologic gastric outlet obstruction, clinical case report

Immunological unresponsiveness
Whitelaw DD et al
1980 Infect and Immun 27 (3) Mar 707-713 Wa
Trypanosoma congolense in susceptible mouse strain vs. trypanotolerant mouse strain, host survival, parasitemia and anemia, erythrocyte survival, plasma and erythrocyte volumes, blood biochemistry, immunoglobulin levels, immunosuppression, infectivity neutralization tests on sera, results indicate ability of resistant mice to survive is dependent on humoral antibody

Immunological unresponsiveness
Wijesundera MS
1980 Tr Roy Soc Trop Med and Hyg 74 (2) 216-220 Wa
Entamoeba histolytica, hepatic amoebiasis in immunodepressed mice

Immunological unresponsiveness
Wilson WB; Sharpe JA; Deck JHN
1980 Am J Ophth Chicago 89 (5) May 714-718 Wa
Toxoplasma gondii, patients with central nervous system infections who were on immunosuppressive therapy, oculomotor nerve palsy and visual loss caused by cerebral involvement, case reports, clinical aspects

Immunological unresponsiveness
Wyler DJ
1979 Bull World Health Organ 57 suppl 1 239-243 Wa
malaria, cellular aspects of immunoregulation, review

Immunological unresponsiveness
Yodoi J; Hirashima M; Ishizaka K
1981 J Immunol 127 (2) Aug 471-476 Wm
lymphocytes bearing Fc receptors for IgE, suppressive effect of glucocorticoids on expression of Fc receptors and glycosylation of IgE-binding factors, includes experiments using Nippostrongylus brasiliensis-infected rats

Immunological unresponsiveness
Yoo TJ; Bennett M
1981 Internat Arch Allergy and Applied Immunol 65 (2) 235-238 Wm
IgE response to Ascaris antigen was suppressed in mice infected with either herpes simplex virus type 2 or Friend erythroleukemia virus

Immunological unresponsivensss
Zaino EC; Amelkin S
1981 N York State J Med 81 (3) Mar 384 Wm
babesiosis, man, probably infected when bitten by tick while on camping trip, brief case report; importance of babesiosis infection in persons who have had splenectomy or who are immunosuppressed

Immunological unresponsiveness
Zardi O; Poccia A
1980 Biochem and Exper Biol 16 (3) 295-299 Wa
antitoxoplasmic antibody titer is lower in pregnant than in nonpregnant women

Immunological unresponsiveness
van Zon AAJC; Eling WMC
1980 Infect and Immun 28 (2) May 630-632 Wa
Plasmodium berghei, mice, depressed malarial immunity during pregnancy, malaria-associated prematurity and abortion

Immunological unresponsiveness
van Zon AAJC; Eling WMC
1980 Tropenmed u Parasitol 31 (4) Dec 402-408 Wa
Plasmodium berghei, mice of several strains, pregnancy-associated recrudescence/immunodepression in immune hosts with persisting parasites, differences between gravida I and gravida II, some mice that did not develop recrudescence exhibited pregnancy-associated clearance of persisting parasites

Immunomodulation See Immunological unresponsiveness; Immunopotentiation

Immunopathology
Abramowsky CR et al
1981 Am J Path (470) 104 (1) July 1-12 Wa
Dirofilaria immitis-infected dogs (exper.), immunopathology of filarial nephropathy, probably of filaria-antibody immune-complex origin, possible role of diethylcarbamazine therapy

Immunopathology
Adam C et al
1981 Infect and Immun 31 (2) Feb 530-535 Wa
Plasmodium falciparum, human, presence of circulating immune complexes, IgG-IgM cryoglobulinemia, and complement consumption is associated with cerebral malaria and very rarely with uncomplicated infection, intensity of immune response and of associated complement activation may be important factors in pathogenesis of cerebral malaria

Immunopathology
Aikat BK et al
1979 Indian J Med Research 70 Oct 571-582 Wa
kala-azar, early and late stages, patients, haematological findings, bone marrow picture, presence of complement (C3) on red blood cells demonstrated using anti C3, autoimmune mechanisms may be involved in anemia

Immunopathology
Aikawa M et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 84-91 Wa
Dirofilaria immitis, dogs (exper.), glomerulonephropathy, possible immunopathogenic mechanisms (in situ formation of immune complexes in glomerular basement membrane)

Immunopathology
Akpom CA
1981 Tr Roy Soc Trop Med and Hyg 75 (3) 444-446 Wa
Schistosoma mansoni, response induced in normal healthy mice by eggs that were recovered from severely protein-deficient mice, concluded that suppression of host cellular immunity may not be only factor that explains suppression of granulomatous response to eggs in severe protein malnutrition

Immunopathology
Amsden AF; Boros DL; Hood AT
1980 Infect and Immun 27 (1) Jan 75-80 Wa
Schistosoma mansoni-infected athymic nude mice, etiology of liver granulomatous response

Immunopathology
Arnesen K; Nordstoga K
1977 Acta Ophth 55 (4) Aug 641-651 Wm
Encephalitozoon cuniculi in Alopex lagopus, cause of ocular vascular lesions of polyarteritis nodosa type and of cataracts, clinical pathology, possibly autoimmune reaction: Finland

Immunopathology
Asaishi K et al
1980 Gastroenterol Japon 15 (2) Apr 120-127 Wm
Anisakis-infected guinea pigs and rabbits, 3 types of allergic immunological reactions of digestive tract induced by larvae, these reactions may play main role in clinical symptoms of human anisakiasis

Immunopathology
Asaishi K et al
1980 Gastroenterol Japon 15 (2) Apr 128-134 Wm
Anisakis, humans, epidemiologic study of inhabitants and questionnaire survey, results show that the etiologic mechanism of acute infection involves anaphylactic reaction as well as Arthus reactions in the digestive tract: Japan

Immunopathology
Azulay RD
1977 An Brasil Dermat 52 (3) July-Sept 345-352 Wm
Leishmania, humans, classification according to immuno-pathological reactions (allergic and non-allergic)

Immunopathology
Banks KL
1980 J Parasitol 66 (1) Feb 34-37 Wa
Trypanosoma congolense adhesion to host red blood cells followed by immune response to parasite may damage infected host by 'innocent bystander' mechanisms

Immunopathology
Barreira AA; Said G; Krettli AU
1981 Tr Roy Soc Trop Med and Hyg 75 (5) 751 Wa
Trypanosoma cruzi, mice, chronic infection, multifocal demyelinative lesions of peripheral nerves, may be result of immune process

Immunopathology
Bocanegra TS et al
1981 Ann Int Med 94 (2) Feb 207-209 Wa
Strongyloides stercoralis, Taenia saginata, patients with arthritis, evidence of abnormal humoral immunity to parasites, immune complexes in serum and synovial fluid, and immunoglobulin deposits in synovia, anti-inflammatory agents were ineffective but specific antiparasitic treatment resulted in resolution of symptoms and immunologic abnormalities, findings suggest that arthritis induced by parasitic infestation may be mediated by immune complex formation in susceptible hosts

Immunopathology
Boros DL; Lande MA; Carrick L jr
1981 Clin Immunol and Immunopath 18 (2) Feb 276-286 Wm
Schistosoma mansoni, mice, collagen synthesis during cell-mediated granulomatous response as determined in explanted pulmonary granulomas

Immunopathology
Bourdais A; Mayere JP; Klotz F
1980 Dakar Med 25 (3) 234-247 Wm
Plasmodium falciparum, humans, acute renal insufficiency with azotemia, clinical aspects, possible importance of circulating immune complexes in pathogenesis

Immunopathology
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Immunopathology
Brito E et al
1979 Rev Inst Med Trop S Paulo 21 (3) May-June 119-124 Wm
S[chistosoma] mansoni, patients with and without nephropathy, circulating immune complex levels correlated with type of glomerular lesions, and with glomerular deposits of immunoglobulin, $C_3$, and fibrin

Immunopathology
Carlier Y; Bout D; Capron A
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 534-538 Wa
Schistosoma mansoni-infected Mesocricetus auratus, detection of M antigen in circulating immune complexes and in kidneys, possible role in aetiology of glomerulonephritis

Immunopathology
Casali P; Perrin LH; Lambert PH
1979 Immunol Aspects Infect Dis 295-342 Wa
immune complexes and tissue injury, review, includes section on parasitic diseases

Immunopathology
Chensue SW; Boros DL; David CS
1980 J Exper Med 151 (6) June 1 1398-1412 Wa
Schistosoma mansoni, mice, regulation of granulomatous inflammation, in vitro characterization of T lymphocyte subsets involved in production and suppression of migration inhibition factor

Immunopathology
Chensue SW; Wellhausen SR; Boros DL
1981 J Immunol 127 (1) July 363-367 Wm
Schistosoma mansoni-infected mice, participation of Ly $1^+$ and Ly $2^+$ T lymphocytes in suppression of granuloma formation and lymphokine production

Immunopathology
Colley DG; Kayes SG
1979 6 Internat Convoc Immunol 268-273 Wm; Wa
schistosomiasis, immunopathology and immunoregulation, review

Immunopathology
Contreras CE et al
1980 Clin and Exper Immunol 42 (3) Dec 403-411 Wa
Plasmodium berghei in 5 strains of mice, immunopathological aspects: course of infection, detection of soluble malarial antigens, serum-specific antibody levels, circulating immune complexes, serum C3 levels, infection of nude mice

Immunopathology
Cossermelli W et al
1978 Ann Rheumatic Dis 37 (3) June 277-280 Wm
Trypanosoma cruzi, polymyositis marked clinical onset of Chagas disease in woman with rheumatoid arthritis, humoral immune system may play role in this pathogenesis

Immunopathology
Cossio PM et al
1980 Medicina Buenos Aires 40 Suppl (1) 222-230 Wm
Chagas disease, immunopathology, facts and perspectives, review

Immunopathology
Desjeux P et al
1980 Am J Trop Med and Hyg 29 (2) Mar 195-198 Wa
cutaneous and mucocutaneous leishmaniasis, human, investigation of circulating immune complexes (CIC), anti-IgG, anti-DNA, and anti-collagen autoantibodies, data suggest association between development of espundia (Leishmania b. braziliensis) and appearance of CIC and anti-IgG antibodies

Immunopathology
Dunn MA
1981 Biochem Parasites (Slutzky) 191-199 Wa
Schistosoma mansoni, S. japonicum, host liver fibrosis, review: substrate regulation by proline of collagen synthesis, process of collagenolysis and potential reversibility of liver fibrosis, mediators of fibrogenesis in liver

Immunopathology
Ehrich JH et al
1981 Contrib Nephrol 24 122-133 Wm
Plasmodium falciparum, P. vivax, cause of proteinuria, humans, possibly involves transient immunological impairment of kidneys

Immunopathology
Eling WMC
1980 Infect and Immun 30 (3) Dec 635-641 Wa
Plasmodium berghei, mice, host strain-specific effect of splenectomy on morbidity, mortality, and immunological responsiveness, results suggest active role of spleen in generation of (immuno)pathological reaction during primary infection in intact animal

Immunopathology
Ellner JJ et al
1981 J Immunol 126 (1) Jan 309-312 Wm
Schistosoma mansoni, Egyptians with heavy infections, with light infections, and with hepatosplenomegaly, responses of peripheral blood mononuclear cells, first demonstration of inverse relationship between specific immune responsiveness to adult worm antigens and intensity of infection

Immunopathology
Facer CA
1980 Clin and Exper Immunol 39 (2) Feb 279-288 Wm
Plasmodium falciparum, Gambian children, association between direct Coombs antiglobulin positivity and malaria, antigen specificity of erythrocyte-bound IgG, mechanism of erythrocyte sensitization, results add to and confirm major role of immune complex formation in immunopathology of falciparum malaria

Immunopathology
Facer CA
1980 Clin and Exper Immunol 41 (1) July 81-90 Wa
Plasmodium falciparum, Gambian children, direct antiglobulin reactions, IgG subclass and Gm allotype distribution of red cell-bound IgG molecules, association with anemia

Immunopathology
Fanning MM et al
1981 J Infect Dis 144 (2) Aug 148-153 Wa
Schistosoma mansoni. course of infection studied in various inbred strains of mice (according to degree of portal hypertension, granuloma size, organomegaly), data indicate that immunopathology associated with parasitic infection in mice is influenced by genetic background of host and is dependent in part on cell-mediated immunity

Immunopathology
Frankenburg S; Londner MV; Greenblatt CL
1980 Cellular Immunol 55 (1) Sept 15 185-190 Wa
Plasmodium berghei in immune and nonimmune mice, cellular changes in bone marrow, blast transformation and phagocytosis

Immunopathology
Galbraith RM et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 61-72 Wa
Plasmodium falciparum-infected human placentae, histological, ultrastructural, and immunopathological studies

Immunopathology
Garb KS; Stavitsky AB; Mahmoud AAF
1981 J Immunol 127 (1) July 115-120 Wm
Schistosoma japonicum, mice, dynamics of antigen- and mitogen-induced responses, in vitro comparison between hepatic granulomas and splenic cells, kinetics recall spontaneous modulation of various clinical and pathologic parameters in natural disease

Immunopathology
Gasbarre LC; Finerty JF; Louis JA
1981 Parasite Immunol 3 (3) Autumn 273-282 Wm
Trypanosoma brucei brucei-infected CBA/N mice (strain with B cell deficiency) vs. conventional mice, survival and level of parasitaemia, non-specific immune responses (polyclonal B cell activation in spleens, circulating immune complexes, immunosuppression)

Immunopathology
Goldstein SM; Izaki S; Epstein WL
1979 Thromb Research 16 (5-6) 727-735 Wm
schistosomiasis-infected mice, inhibition of plasminogen activator associated with chronic granulomatous inflammation

Immunopathology
Goodger BV et al
1980 Internat J Parasitol 10 (1) Feb 33-36 Wa
Babesia bovis, composition and location of antigen associated with infected erythrocytes, suggested that babesial enzyme-fibrinogen complex contributes to pathological changes of infection

Immunopathology
Green WF; Colley DG
1981 Proc National Acad Sc Biol Sc 78 (2) Feb 1152-1156 Wa
Schistosoma mansoni, mice, modulation of egg-induced granuloma formation, role of I-J locus in regulating suppressor T lymphocyte aspects of modulation

Immunopathology
Greenwood BM; Whittle HC
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 716-725 Wa
sleeping sickness, human, clinical features, laboratory abnormalities, pathological changes, speculations about pathogenesis with emphasis on immunopathology (immediate hypersensitivity, autoantibodies, immune complexes), hypothesis suggesting dominant role for B lymphocyte proliferation in pathogenesis, symposium presentation

Immunopathology
Grosshans E et al
1980 Ztschr Hautkrankh 55 (18) Sept 15 1211-1218 Wm
rosacea, human, immunological reactions to Demodex caprae antigens, histogenesis of granulomatous lesions provoked by demodectic fragments in facial skin in rosacea could be based on immunological mechanism, topical acaricides may be useful in treatment

Immunopathology
Grosskinsky CM; Askonas BA
1981 Infect and Immun 33 (1) July 149-155 Wa
Trypanosoma brucei brucei, macrophages as primary target cells and mediators of immune dysfunction in African trypanosomiasis

Immunopathology
Groupe de Travail Scientifique sur la Filariose
1981 Bull World Health Organ 59 (2) 205-212 Wa
Wuchereria bancrofti, Brugia malayi, B. timori, current knowledge on various aspects of immunodiagnosis, immunopathology, and immunization, review

Immunopathology
Gustowska L; Ruitenberg EJ; Elgersma A
1980 Parasite Immunol 2 (2) Summer 133-154 Wa
Trichinella spiralis, thymus-bearing vs. congenitally athymic mice, histological changes in gut, tongue, and 3 lymphoid tissues with special attention to eosinophils, specific antibody production

Immunopathology
Helmy-Khalil S jr et al
1979 Tropenmed u Parasitol 30 (4) Dec 426-428 Wa
S[chistosoma] mansoni, human, hepato-splenic disease vs. simple intestinal infection, cell mediated immune (CMI) responses assessed using delayed intradermal and migration inhibition tests with soluble egg antigens, findings suggest relationship between CMI responsiveness and clinicopathological manifestations

Immunopathology
Hiatt RA et al
1980 J Infect Dis 142 (5) Nov 665-670 Wa
Schistosoma mansoni, patients with acute infections, serial observations of circulating immune complexes before and after niridazole therapy, these complexes may play role in pathogenesis of clinical syndrome of acute disease

Immunopathology
Hoefling KK; Schroeter AL
1980 J Am Acad Dermat 3 (3) Sept 237-240 Wm
Sarcoptes scabiei, humans, direct immunofluorescence of scabies lesions revealed IgM, IgA, $C_3$, and fibrin in cornified layer of epidermis, dermoepidermal junction, and papillary dermal vessels, findings support a humoral immune response secondary to scabetic infestation

Immunopathology
Hoffmann R; Schmid DO; Hoffmann-Fezer G
1981 Vet Immunol and Immunopath 2 (2) Apr 111-119 Wa
Eperythrozoon suis, pigs, acquired autoimmune hemolytic anemia due to 'cold' antibodies

Immunopathology
Hood AT; Boros DL
1980 Am J Trop Med and Hyg 29 (4) July 586-591 Wa
Schistosoma mansoni, mice, effect of splenectomy on pathophysiology, humoral and cell-mediated granulomatous responses, and liver fibrosis

Immunopathology
Houba V
1981 Developments Immunol 14 293-299 Wa
schistosomiasis, human, hypersensitivity reactions with special emphasis on their relation to clinical manifestations of this disease and to immunodiagnosis, brief review

Immunopathology
Hudson L
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 493-498 Wa
Trypanosoma cruzi, modelling the host and the parasite (in vivo and in vitro studies), immune response (immunity to infection, immunity and pathogenesis, immunization and immunoprophylaxis), monoclonal antibodies as immunological tools, review

Immunopathology
Kaushik SP et al
1977 Am J Gastroenterol 68 (1) July 64-70 Wm
Entamoeba histolytica, guinea pigs, assessment of immunologic role of hypersensitivity in formation of amebic granulomas

Immunopathology
Khoury PB; Phillips SM
1981 Am J Trop Med and Hyg 30 (2) Mar 394-401 Wa
Schistosoma mansoni, mice, cellular responses of lymphoid organs that drain pulmonary and hepatic phases of primary infection and also cellular responses of spleen: kinetics and characterization of T and B rosette forming cells, kinetics and characterization of B cell subpopulations (capacity to form rosette forming cells, rosette-antibody forming cells, and plaque forming cells; nature of surface and/or secreted immunoglobulins), these local immune responses seem to occupy significant role in mediation of protective immunity and host morbidity

Immunopathology
Klei TR et al
1981 Acta Trop 38 (3) Sept 267-276 Wa
Brugia pahangi-infected Meriones unguiculatus, specific hypo-responsive granulomatous tissue reactions

Immunopathology
Koster FT et al
1981 J Clin and Lab Immunol 5 (3) May 153-157 Wa
amebic dysentery, human, occurrence of circulating immune complexes, role in mediating tissue injury difficult to assess

Immunopathology
Le Bras M et al
1980 Med Trop 40 (1) Jan-Feb 67-70 Wm
Schistosoma mansoni, S. japonicum, humans, glomerular nephropathy, general clinical review

Immunopathology
Lefrancois G et al
1981 Lancet London (8248) 2 Sept 26 661-663 Wa
Plasmodium falciparum, Gabon natives with chronic infections, and anti-erythrocyte autoimmunisation with anti-I specificity, possible associated interaction between I antigen and Plasmodium which facilitates penetration of the erythrocytes by malarial parasites: France

Immunopathology
Lelchuk R; Playfair JHL
1980 Clin and Exper Immunol 42 (3) Dec 428-435 Wa
Plasmodium berghei, P. yoelii, unvaccinated and vaccinated mice, non-specific immunosuppression, 2 distinct types, may be either harmful or beneficial to host depending on response concerned

Immunopathology
Lelchuk R; Sprott VMA; Playfair JHL
1981 Clin and Exper Immunol 45 (2) Aug 433-438 Wa
Plasmodium yoelii, P. berghei, mice, differential involvement of non-specific suppressor T cells in lethal infections, unlikely that non-specific suppression of cell-mediated immune responses is major cause of lethality

Immunopathology
Lindsley HB et al
1980 Am J Trop Med and Hyg 29 (3) May 348-357 Wa
Trypanosoma rhodesiense in 5 strains of inbred rats, variable severity of glomerulonephritis, correlation with immunoglobulin class-specific antibody responses to trypanosomal antigens and total IgM levels, circulating immune complexes

Immunopathology
Lindsley HB et al
1981 Infect and Immun 33 (2) Aug 407-414 Wa
Trypanosoma rhodesiense, rabbits, detection and composition of immune complexes (trypanosomal antigens, IgG, IgM, C3), serum IgM and IgG antibodies to trypanosomes, total IgM and IgG

Immunopathology
Lowenthal MN et al
1980 Tr Roy Soc Trop Med and Hyg 74 (1) 91-98 Wa
massive splenomegaly, analysis of 344 human cases, causes include tropical splenomegaly syndrome of malarial aetiology and hepatic schistosomiasis: Northern Zambia

Immunopathology
Lucas S et al
1980 Tr Roy Soc Trop Med and Hyg 74 (5) 633-643 Wa
Schistosoma mansoni-infected mice, effects of various immunosuppressive regimes on survival and liver pathology

Immunopathology
Macario AJL; Stahl W; Miller R
1980 Clin and Exper Immunol 41 (3) Sept 415-422 Wa
Toxoplasma gondii, mice with chronic infection, lymphocyte subpopulations in thymus, spleen, and peripheral and mesenteric lymph nodes, physiological pattern of change with host age, pattern was distinctive for each lymphoid organ

Immunopathology
Mackenzie CD et al
1981 J Path 133 (2) Feb 161-175 Wa
Trichinella spiralis, Nippostrongylus brasiliensis, in vitro interaction of eosinophils, neutrophils, macrophages, and mast cells with nematode surfaces in presence of complement or antibodies, findings discussed in relationship to immunopathology of nematode infection in vivo

Immunopathology
Mackey LJ et al
1980 Clin and Exper Immunol 42 (3) Dec 412-420 Wa
Plasmodium berghei in 5 strains of mice, immunopathology of lesions in brain, kidney, liver, and spleen

Immunopathology
Mahajan RC; Ganguly NK
1980 Tr Roy Soc Trop Med and Hyg 74 (3) 300-302 Wa
Entamoeba histolytica, human, liver abscess, immunodiagnosis and prognosis, detection of amebic antigen in liver pus/biopsy specimens and serum by counter-immunoelectrophoresis, correlation between amebic antigen positivity and indirect haemagglutination seropositivity, possible role of amebic antigen in immune complex formation and pathogenesis

Immunopathology
Martinelli R; Brito E; Rocha H
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 882-885 Wa
Schistosoma mansoni, human, findings suggest immunologically-induced glomerulopathy as cause of low serum complement levels (β1C/1A globulin), determination of β1C/1A globulin serum levels may be valuable index for diagnosis of early glomerular disease

Immunopathology
Masake RA; Morrison WI
1981 Am J Vet Research 42 (10) Oct 1738-1746 Wa
Trypanosoma vivax-infected Boran cattle (exper.), spleen and lymph nodes, gross and histopathologic changes, membrane and intracytoplasmic immunoglobulin, deposits of immunoglobulin, in vitro proliferative response to mitogens of cells obtained from these organs, plasma immunoglobulin concentrations, evidence for existence of intact orderly immune response, results question relative importance of immunodepression in bovine trypanosomiasis

Immunopathology
Mosca W; Plaja J
1981 J Clin Microbiol 14 (1) July 1-5 Wa
Trypanosoma cruzi, Chagasic patients, delayed hypersensitivity to heart antigens and to parasite antigens as measured by in vitro lymphocyte stimulation, relevance of findings to pathogenesis of Chagasic cardiomyopathy needs to be carefully assessed

Immunopathology
Musa AM; Asha HA; Veress B
1980 Ann Trop Med and Parasitol 74 (6) Dec 615-618 Wa
Schistosoma mansoni in 17 patients with nephrotic syndrome, renal biopsies revealed proliferative and focal glomerulonephritis, 3 patients had renal amyloidosis: Sudan

Immunopathology
Musa AM; Saleh SY; Abu Asha H
1981 Ann Trop Med and Parasitol 75 (2) Apr 181-184 Wa
schistosomiasis mansoni, past or present infection in 5 Sudanese patients who developed transient nephritis during typhoid fever, typhoid infection may act as activator to already established immune complex glomerular disease caused by schistosomiasis

Immunopathology
Nagle RB et al
1980 Am J Trop Med and Hyg 29 (6) Nov 1187-1195 Wa
Trypanosoma rhodesiense, pathology in rabbits, findings suggest immunologic host response associated with severe localized vascular injury

Immunopathology
Olds GR; Mahmoud AAF
1981 Cellular Immunol 60 (2) May 15 251-260 Wa
Schistosoma japonicum, mice sensitized with subcutaneous injection of eggs prior to intravenous challenge with eggs, kinetics and mechanisms of pulmonary granuloma formation, evidence suggests major role for cell-mediated immunity

Immunopathology
Ortiz-Ortiz L; et al
1980 J Immunol 124 (1) Jan 121-126 Wm
Trypanosoma cruzi, mice, polyclonal B lymphocyte activation, may be responsible for abnormalities in immunoglobulin synthesis and secretion, possible role in etiology of autoimmune disease

Immunopathology
Ottesen EA
1979 Immune Mech and Dis 215-233 Wm; Wa
filariasis, human, immune responses discussed in relation to penetration stage of infection, persistence of infection, and pathology, review

Immunopathology
Ozeretskovskaia NN et al
1979 Trop Dis Research Ser (1) 259-271 Wa
Echinococcus granulosus, E. multilocularis, patients with normal spleens vs. patients with enlarged spleens, clinical data, severity of disease, renal damage, serum immunoglobulin levels, total serum protein content and proteinogramme, phytohaemagglutinin skin test, levels of antibodies to DNA, specific antiparasite antibodies, effect of prolonged treatment with mebendazole

Immunopathology
Pappas MG et al
1981 J Clin Invest 67 (1) Jan 183-192 Wa
Plasmodium berghei, mice, complement-mediated defect in clearance and sequestration of sensitized autologous erythrocytes, association of hypocomplementemia with major splenic defect in clearance late in malaria infection may explain accumulation of immune complexes in pathological sites

Immunopathology
Pearson TW et al
1981 J Immunol 126 (3) Mar 823-828 Wm
Trypanosoma brucei, variable surface antigens, studies using two-dimensional gel electrophoresis and monoclonal antibodies, possible explanation for role of variable antigens in pathogenesis of African trypanosomiasis

Immunopathology
Peralta JM et al
1981 Clin and Exper Immunol 45 (3) Sept 621-626 Wa
Trypanosoma cruzi-infected asymptomatic humans, leucocyte migration inhibition response to tissue antigens, correlation with tissue-reacting antibodies

Immunopathology
Peralta JM et al
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 568-569 Wa
Trypanosoma cruzi, human, close relationship between autoantibodies and chagasic infection but their presence does not appear to relate to severity of Chagas' heart disease

Immunopathology
Phillips SM et al
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 820-831 Wa
Schistosoma mansoni, studies in athymic mice integrated with in vitro studies on granuloma formation, results indicate that resistance, granulomatous hypersensitivity and its modulation, and morbidity are contingent on thymus-dependent lymphocyte function

Immunopathology
Piessens WF et al
1980 J Clin Invest 65 (1) Jan 172-179 Wa
Brugia malayi, patients with different stages of disease, differences in cell-mediated immune responses to microfilarial and adult worm antigens and to nonparasite antigens, patent microfilaremia associated with state of specific cellular unresponsiveness, implications for pathogenesis: South Kalimantan (Borneo)

Immunopathology
Poltera AA
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 706-715 Wa
human African trypanosomiasis, endstage lesions in brain and heart; Trypanosoma brucei brucei in mouse model, sequential features in humoral immunology and immunopathology with emphasis on cardiac and cerebral lesions, occurrence of relapses after ethidium bromide or melarsoprol treatment, responsiveness of parasite to melarsoprol in spite of repeated relapses, shift in distribution of parasite in central nervous system after melarsoprol relapse, symposium presentation

Immunopathology
Poltera AA et al
1980 Clin and Exper Immunol 40 (3) June 496-507 Wa
Trypanosoma brucei brucei, successful induction of cerebral trypanosomiasis in ordinary laboratory mice, parasitaemia and serology, histopathology, immunohistology, electronmicroscopic studies, evolution of brain lesions after ethidium bromide treatment

Immunopathology
Poltera AA; Hochmann A; Lambert PH
1980 Am J Path (456) 99 (2) May 325-351 Wa
Trypanosoma brucei brucei-infected mice as model for study of pancarditis, findings suggest that immune mechanisms may be involved in pathogenesis, offers suitable model for evaluation of efficacy of trypanocidal drugs

Immunopathology
Poltera AA; Hochmann A; Lambert PH
1981 Clin and Exper Immunol 46 (2) Nov 363-374 Wa
Trypanosoma brucei brucei, mice with cerebral trypanosomiasis, response to melarsoprol, melarsoprol + chloroquine, or benznidazole, immunopathological study

Immunopathology
Ribeiro dos Santos R; Hudson L
1981 Clin and Exper Immunol 44 (2) May 349-354 Wa
Trypanosoma cruzi, mice, data suggest that immunity to heart and neuronal antigens commonly detected in infected animals is result rather than cause of host cell destruction

Immunopathology
Rickman WJ; Cox HW
1980 J Parasitol 66 (1) Feb 28-33 Wa
Trypanosoma brucei rhodesiense, rats, anemia, thrombocytopenia, and coagulopathy, association with antibodies against fibrinogen/fibrin-related products (anti-F), immunoconglutinin, soluble immune complexes (of anti-F and fibrinogen/fibrin-related products), and lytic complement consumption

Immunopathology
Rickman WJ; Cox HW; Thoongsuwan S
1981 J Parasitol 67 (2) Apr 159-163 Wa
Trypanosoma brucei rhodesiense, rats, interactions of immunoconglutinin and immune complexes in cold autohemagglutination

Immunopathology
Rockey JH et al
1981 Arch Ophth Chicago 99 (10) Oct 1831-1840 Wa
Toxocara canis, Ascaris suum, passively sensitized guinea pigs and animals infected intravitreally with ascarid larvae, role of IgE antibodies and mast cells in immunopathology of eye

Immunopathology
Ronai Z; Avraham H; Sulitzeanu D
1981 J Parasitol 67 (3) June 351-354 Wa
Plasmodium berghei-infected rats, autoantibodies to red blood cells in sera

Immunopathology
Sampaio-Silva ML; Santoro F; Capron A
1981 Acta Trop 38 (1) Mar 39-44 Wa
Fasciola hepatica, humans, circulating immune complexes, relationship to parasite egg output and to clinical form of patients (asymptomatic, symptomatic, or acute), possible involvement in pathogenesis of acute hepatic fascioliasis

Immunopathology
Sanchez Ibarrola A et al
1981 Am J Med 70 (2) Feb 311-315 Wa
Echinococcus granulosus, woman with hepatic hydatid cyst and nephrotic syndrome, renal biopsy tissue studied by light and electron microscopy and by immunofluorescence, documentation of role of hydatid antigen in the pathogenesis of glomerulonephritis

Immunopathology
Santos-Buch CA et al
1979 6 Internat Convoc Immunol 262-267 Wm; Wa
Chagas' disease, immunopathology, review: autoantibody reactions, T lymphocyte cytotoxicity induced by infection, cross-reacting immunogens of target organs and Trypanosoma cruzi

Immunopathology
Sitprija V et al
1980 Arch Int Med Chicago 140 (4) Apr 544-546 Wa
Trichinella spiralis-infected patients, renal clinicopathologic study, detection of circulating immune complexes and glomerular deposition of C3 and immunoglobulins: northern Thailand

Immunopathology
Sollod AE; Frank GH
1979 Am J Vet Research 40 (5) May 658-664 Wa
Trypanosoma congolense, cattle (exper.), humoral immune response to nontrypanosomal antigens, peripheral blood lymphocyte responsiveness, no evidence that immunodepression is major pathologic mechanism in acute bovine infection

Immunopathology
Suzuki M et al
1980 Internat J Nuclear Med and Biol 7 (2) 141-148 Wa
Plasmodium berghei, mice, isolation of radiation-attenuated parasites and features of strain, effectiveness in producing immunity in host, immunopathologic reactions in infected or immunized animals, immunopathologic reactions in hosts infected with attenuated vs. original virulent parasite, review

Immunopathology
Szarfman A et al
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 114-116 Wa
Trypanosoma cruzi-infected Macaca mulatta, tissue-reacting immunoglobulins in serial serum samples, suitable host for experimental studies on Chagas' disease

Immunopathology
Szarfman A et al
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 43-46 Wa
Trypanosoma cruzi, human, tissue-reacting immunoglobulins, presence not correlated with clinical symptoms and signs which characterize chronic stage of disease nor with severity of disease

Immunopathology
Takahashi S; Dunn MA; Seifter S
1980 Gastroenterology 78 (6) June 1425-1431 Wa
Schistosoma mansoni-infected mice, occurrence of collagenase and general protease activities at various stages of developing liver fibrosis, collagenase activity measured in relation to collagen synthesis and accumulation

Immunopathology
Targett GA
1981 Developments Immunol 14 301-309 Wa
malaria infection, human, immunological and allergological aspects especially in relation to pathogenesis and pathology, review

Immunopathology
Teixeira ARL
1979 Bull World Health Organ 57 (5) 697-710 Wa
Trypanosoma cruzi, humans, immune mechanisms, trends in immunological research, and prospects for immunoprophylaxis, review

Immunopathology
Theofilopoulos AN
1980 Progr Clin Immunol 4 63-106 Wm
evaluation and clinical significance of circulating immune complexes, review, includes some brief information on parasitic diseases

Immunopathology
Thoongsuwan S; Cox HW
1981 J Parasitol 67 (4) Aug 481-486 Wa
Haemobartonella muris-like agent isolated and identified as occult companion agent in Trypanosoma lewisi-infected rats and implicated as cause of acute hemolytic anemia, splenomegaly with erythrophagocytosis, and proliferative glomerulonephritis in mature rats, disease was less severe in weanling rats, presence of cold-active hemagglutinin, immunoconglutinin, and antibody against fibrinogen products

Immunopathology
Turk JL
1979 Immunol Aspects Infect Dis 421-452 Wa
immunology of chronic infections, review, includes sections on protozoal and helminthic infections

Immunopathology
Ungari S et al
1979 Acta Paediat Latina 32 (2) Apr-June 157-164 Wm
echinococcosis, child, associated autoimmune glomerulo-nephritis, case report: Italy

Immunopathology
Urquhart GM
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 726-729 Wa
African trypanosomiasis in domestic animals, pathogenesis (anemia, tissue lesions, immunosuppression), immunology (prospects for vaccination, 'non-sterile immunity'), symposium presentation

Immunopathology
Van Marck EAE et al
1979 Ann Soc Belge Med Trop 59 (1) Mar 33-47 Wa
Schistosoma mansoni-infected mice with partial ligation of the portal vein, light and electron microscopic study of resulting pathology of the kidneys, collateral circulation is apparently not an absolute requirement for glomerulopathy and immune deposits to develop

Immunopathology
van Marck EAE et al
1980 Experientia 36 (9) Sept 15 1116-1118 Wa
Schistosoma mansoni, mice, experimental model for studies of pathogenesis of portal fibrosis using implantation of sepharose beads loaded or not with soluble egg antigen, preliminary collagen tissue immunotyping

Immunopathology
Van Marck EAE et al
1981 Am J Trop Med and Hyg 30 (4) July 780-789 Wa
Trypanosoma gambiense, mice, rats, chronic experimental infections, renal disease, light and electron microscopy, immunofluorescence (deposits of complement and immunoglobulins but no trypanosomal antigen detected), specific antibodies in kidney eluates, circulating immune complexes, appears to be suitable model

Immunopathology
Van Marck EAE; Deelder AM; Gigase PLJ
1981 Exper Parasitol 52 (1) Aug 62-68 Wa
Schistosoma mansoni, mice with unisexual infections, circulating anodic antigen detected in glomeruli accompanied by deposits of immunoglobulin and complement, probably represents antigen part of immune complexes, circulating anodic antigen appears to be major candidate among antigens involved in schistosomal glomerulopathy

Immunopathology
Vialtel P et al
1981 N England J Med 304 (10) Mar 5 610-611 Wa
Echinococcus granulosus, woman, membranous nephropathy associated with hydatid disease in which parasitic antigen and corresponding antibody were found in glomeruli: France, from North Africa

Immunopathology
Vincent AL et al
1980 J Parasitol 66 (4) Aug 613-620 Wa
Brugia pahangi, chronologic development of vascular and perivascular lymphatic lesions in genital lymphatics of infected male Meriones unguiculatus

Immunopathology
Waugh DA; Alexander JH; Ibels LS
1980 Austral and N Zealand J Med 10 (5) Oct 559-562 Wm
filariasis, humans with chyluria and associated glomerulonephritis, clinical report, evidence to suggest that glomerulonephritis may be an immune complex type

Immunopathology
Weinstock JV et al
1981 J Clin Invest 67 (4) Apr 931-936 Wa
Schistosoma mansoni-infected mice, SQ 14225 (inhibitor of angiotensin I-converting enzyme (AEC)) can partially inhibit granulomatous response to schistosome eggs and pathological manifestations of schistosomiasis, possibility that ACE has inflammatory role in granulomatous inflammation

Immunopathology
Whittle H; Greenwood BM; Mohammed I
1980 Tr Roy Soc Trop Med and Hyg 74 (6) 833-834 Wa
Gambian sleeping sickness, raised levels of immune complexes in sera of patients, difficult to interpret complexes as major cause of damage

Immunopathology
Wyler DJ; Blackman HJ; Lunde MN
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1980 J Franc Ophtal 3 (11) 653-655 Wm
Toxoplasma gondii, patients with recurrent toxoplasmic retinochoroiditis, attempted therapy with B.C.G. was not successful

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1981 Tropenmed u Parasitol 32 (2) June 67-72 Wa
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1980 J Parasitol 66 (2) Apr 340-342 Wa
Trypanosoma cruzi, mice, heterologous (BCG) and specific immunization, comparison of different immunization procedures

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Bygbjerg IC
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augmentation of human lymphocyte proliferative responses in vitro by pyrimethamine, trimethoprim did not alter these responses significantly, possibility of using pyrimethamine as immunopotentiator

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Clarkson AB jr; Mellow GH
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Trypanosoma lewisi, serum of lactating rats that have never been infected contains rheumatoid factor-like IgM which amplifies specific IgG response to parasite and accounts for unusual resistance of previously uninfected lactating rats and their suckling pups, similar rheumatoid factor-like IgM induced late in usual course of infection in nonlactating rats amplifies earlier IgG response and terminates infection, first description of rheumatoid factor (which is classified as autoimmune antibody) acting in protective manner, possible implications for T. cruzi infection

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Cohen HA
1979 Acta Dermato-Venereol 59 (6) 547-549 Wm
leishmaniasis cutanea diffusa, man, chronic infection for 26 years, induction of delayed hypersensitivity using heat-killed and lyophilized BCG and cord-factor (trehalose-6-6' dimycolate), clinical case report

Immunopotentiation
Cunningham DS et al
1981 Exper Parasitol 51 (2) Apr 257-268 Wa
Trypanosoma cruzi in relatively resistant vs. highly susceptible strain of mice, antibody response to previously unencountered antigens, autoantibody activity, proposed that T. cruzi-associated antigens differentially affect B-cell-responsive and -responding clones, unlikely that nonspecific induction of immunoglobulin synthesis is purely responsible for immunosuppressed condition of both susceptible and resistant mice, immunopotentiating effect of T. cruzi demonstrated in 2 ways, possible significance of polyclonal activation in experimental Chagas' disease

Immunopotentiation
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activated macrophages from mice infected with Toxoplasma gondii or injected with Corynebacterium parvum, effects on Nocardia asteroides

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Goven AJ; De Buysscher EV
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Nematospiroides dubius, mice, immunization with double-emulsion adjuvant + parasite antigen

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1981 Med Hypotheses 7 (1) Jan 43-49 Wm
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Grimaldi GF; Moriearty PL; Hoff R
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Leishmania mexicana in C3H mice, BCG and levamisole treatment of established infections, results indicate non-specific immunostimulation is ineffective against chronic non-healing type of leishmaniasis in which host has humoral and delayed type hypersensitivity responses to parasites

Immunopotentiation
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Schistosoma mansoni, mice, enhancement of infection induced by methanol-extraction residue fraction of BCG, may prove useful for studying mechanisms by which S. mansoni evades nonspecific resistance

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Hanson WL
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suppressive and enhancing effects of various antiprotozoal drugs on host immune response, possible procedures for enhancing immune response of host undergoing chemoprophylaxis or chemotherapy, symposium presentation

Immunopotentiation
Holbrook TW; Cook JA; Parker BW
1981 Infect and Immun 32 (2) May 542-546 Wa
Plasmodium berghei, mice, strong adjuvant effect of glucan injected simultaneously with killed erythrocytic stages of parasite

Immunopotentiation
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Leishmania donovani, mice, immunization, glucan as adjuvant with killed promastigotes, glucan injected alone elicited lesser degree of (nonspecific) resistance

Immunopotentiation
Itaya T et al
1980 Internat Arch Allergy and Applied Immunol 62 (4) 389-396 Wm
suppressive effects of various adjuvants on IgE antibody response of mice when given at certain times before immunization, DNP-Ascaris used as antigen

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Jakoniuk P et al
1980 Arch Immunol et Therap Exper 28 (3) 377-387 Wm
Listeria monocytogenes lipids, effect on immunity against Trichomonas vaginalis and similar pathogens, little effect on the course of T. vaginalis in mice

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Plasmodium berghei, mice, treatment with carrageenan (reported anti-macrophage agent) conferred partial immunity

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Kojima S; Kamijo T; Ovary Z
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Nippostrongylus brasiliensis, nonspecific enhancement of mouse antihapten IgE antibody response, involvement of T-cell subpopulation and its product for the potentiation

Immunopotentiation
Krahenbuhl JL et al
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Lederer E
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Lloyd S
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Immunopotentiation
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1981 Research Vet Sc 30 (3) May 343-348 Wa
Fasciola hepatica, sheep, effect of prior nematode and cestode infection on course of infection, investigation of cross-immunizing properties of these parasites per se and modification of any protective effect conferred by immunomodulatory compound levamisole

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Immunopotentiation
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1979 Bull World Health Organ 57 suppl 1 189-197 Wa
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Immunopotentiation
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Plasmodium berghei, nonspecific resistance in some strain B6D2 (but not strain A or ICR) mice generated in response to Mycobacterium bovis infection or Corynebacterium parvum stimulation, protected mice have capacity to produce humoral factor with anti-P. berghei activity

Immunopotentiation
Murray M et al
1979 Acta Trop 36 (4) Dec 297-322 Wa
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Immunopotentiation
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1977 Acta Trop 34 (1) Mar 87-96 Wa
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Immunopotentiation
Olds GR et al
1980 J Infect Dis 141 (4) Apr 473-478 Wa
Schistosoma mansoni, induction of resistance using synthetic adjuvants (natural cord factor and lower homologues), gives partial protection and enhances acquired immunity in mice with primary infections

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1980 Acta Trop 37 (1) Mar 21-29 Wa
Toxoplasma gondii, mice, immunity induced by homologous and heterologous organisms

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Immunopotentiation
Sen DK; Lankaranifard G; Narain NK
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Trypanosoma musculi, effect of holothurin on defense mechanisms of different strains of mice, timing of administration of holothurin appeared to be important factor in observed effect (higher or lower levels of parasitemia than controls), minor variations in parasitemia seemed to be related to mouse strain

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Siddiqui WA et al
1979 Bull World Health Organ 57 suppl 1 199-203 Wa
Plasmodium falciparum, immunization of Aotus trivirgatus griseimembra, use of synthetic adjuvants

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1980 Research Vet Sc 29 (1) July 45-50 Wa
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Immunopotentiation
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1981 Infect and Immun 31 (1) Jan 408-412 Wa
Plasmodium berghei, mice, effect of route of Mycobacterium bovis BCG administration on suppression of protective immune response to sporozoite vaccination, results suggest potential for multiple vaccine interference and that relationships between vaccines and multiple infections are deserving of special attention

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1980 Am J Trop Med and Hyg 29 (1) Jan 16-20 Wa
Leishmania donovani, cortisone and cyclophosphamide suppress protective effects of BCG in mice challenged with amastigotes

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1980 Internat J Nuclear Med and Biol 7 (2) 133-140 Wa
malaria, vaccination, use of immunopotentiators, review

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Ascaris suum, potentiation of reaginic (IgE) antibody response to ovalbumin in guinea pigs using soluble parasite metabolic product

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Suemura M et al
1980 J Immunol 125 (1) July 148-154 Wm
Nippostrongylus brasiliensis, regulatory role of IgE-binding factors from rat T-lymphocytes, mechanism of enhancement of IgE response by IgE-potentiating factor

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Leishmania hertigi live vaccine with complete Freunds adjuvant vs. L. hertigi extract with incomplete adjuvant, hamsters, challenge with L. mexicana or L. braziliensis; immunodiffusion or immunoelectrophoresis showed at least one common band between L. hertigi and the two human parasites

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Implantation See Transplantation

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Microsporidia, list of 22 species described from Cladocera with diagnoses, hosts, and collecting areas

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Coccidia of insectivores, review of known information on taxonomy, synonymy, structure, life cycle, host, location in host, reported geographic distribution, prevalence, sporulation, merogony, gametogony, prepatent period, patent period, pathogenicity, immunity, cross-transmission studies, and cultivation

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Sarcocystis, list of named species with hosts, synonyms, homonyms, lapsi calami

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nematodes, associations with oligochaetes as phoretic, paratenic, intermediate, or sole hosts, evolutionary history, review, list of known natural relationships (150 species of nematodes with hosts)

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Microsporidia, annotated list of species

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Microsporidia, host list

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**intestinal parasitic infections, Southeast Asian populations, prevalence by age and sex, fecal and serological survey: Philippine Islands and Indonesia**

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Infectivity [See also Pathogenicity]

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Trypanosoma brucei gambiense, adaptation of low virulence stocks to rats and mice, evaluation of some methods previously described for enhancing trypanosome infectivity (rapid passaging, drug-induced immunodepression, use of age-related receptivity), establishment of cloned pleomorphic populations

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**protostrongylid 1st stage larvae, relationship between motility and infectivity, effect of various factors (parasite age, density, temperature, light, ions, desiccation), epidemiological implications**

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Daher VR; Krettli AU
[1981] J Protozool 27 (4) Nov 1980 440-442 Issued Mar 11 Wa
Plasmodium gallinaceum, infectivity for chicks of oocyst sporozoites isolated on different days after Aedes fluviatilis had fed on infected birds, comparison with infectivity of salivary-gland sporozoites isolated from same group of mosquitoes; antigenicity of oocyst and salivary-gland sporozoites is similar

Infectivity
Dei-Cas E et al
1980 Ann Parasitol 55 (6) Nov-Dec 621-633 Wa
Plasmodium inui in splenectomized Macaca fascicularis, morphology and infectivity of gametocytes, course of gametocytemia

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1981 Am J Vet Research 42 (6) June 1007-1010 Wa
Toxoplasma gondii, pathogenicity and infectivity of isolates from Felis domesticus and Mus musculus compared in exper. mice with isolate from a person infected during outbreak of toxoplasmosis affecting 37 patrons of a riding stable, epidemiologic implications: Atlanta, Georgia

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1980 Am J Vet Research 41 (7) July 1141-1142 Wa
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Infectivity
Fried B; Barber LW; Butler MS
1978 Proc Helminth Soc Washington 45 (2) July 162-166 Issued Aug 30 Wa
Cotylurus strigeoides, growth and development in domestic chicks (fed isolated cysts vs. infected whole Physa heterostropha), on chorioallantoic membranes of chick embryos, and in vitro; infectivity to chicks

Infectivity
Gardiner PR et al
1980 J Protozool 27 (2) May 182-185 Issued July 17 Wa
Trypanosoma brucei infective forms produced in tsetse fly salivary gland culture system, structure, method for separation using DEAE-cellulose column chromatography

Infectivity
Goddeeris B
1980 Ann Soc Belge Med Trop 60 (3) Sept 277-283 Wa
Hydatigera taeniaeformis, possible role of Musca domestica in disseminating tapeworm eggs by carrying them internally, eggs infective to mice although infectivity was decreased, applicability for vector dispersal of cattle tapeworm eggs (Taeniarhynchus saginatum)

Infectivity
Granath WO jr
1980 J Invert Path 36 (2) Sept 235-239 Wa
Hymenolepis diminuta in Tenebrio molitor (exper.), effects of parasite density and temperature on water balance of beetles, subsequent infectivity of recovered cysticercoids to rats

Infectivity
Heydorn AO
1980 Berl u Munchen Tierarztl Wchnschr 93 (14) July 15 267-270 Wa
Sarcocystis bovicanis sporocysts, effect of various physical factors on excystation and viability of excysted sporozoites in vitro, subsequent infectivity to calves

Infectivity
Irvin AD; Young ER; Adams PJV
1979 Research Vet Sc 27 (2) Sept 200-204 Wa
Babesia rodhaini, B. major, or B. divergens-infected blood, effects of irradiation in vitro, infectivity of B. rodhaini in mice

Infectivity
Jouvenaz DP; Lofgren CS; Allen GE
1981 J Invert Path 37 (3) May 265-268 Wa
Burenella dimorpha in Solenopsis geminata (exper.), development, infectivity, and mode of transmission of 2 morphologically distinct spores, results verify this microsporidium as a dimorphic species

Infectivity
Keithly JS; Bienen EJ
1981 Acta Trop 38 (1) Mar 85-89 Wa
Leishmania donovani, infectivity of primary culture promastigotes for golden hamsters

Infectivity
Keymer A
1981 J Animal Ecol 50 (3) Oct 941-950 Wa
Hymenolepis diminuta, population dynamics in Tribolium confusum: relationship between number of exposures to infection and resultant parasite burden per host; relationships between cysticercoid density, age, and infectivity; relationship between infective-stage density and resultant parasite burden per host (transmission to intermediate host; transmission to definitive host); influence of infection on intermediate host population growth

Infectivity
Kuris AM
1980 Internat J Parasitol 10 (1) Feb 21-25 Wa
Echinostoma liei miracidia, infectivity for Biomphalaria glabrata, effect of echinostome egg age, habitat heterogeneity, and water quality and volume, results enhance competitive potential of echinostomes as possible biological control agents for Schistosoma mansoni

Infectivity
Kuris AM; Warren J
1980 J Parasitol 66 (4) Aug 630-635 Wa
Echinostoma liei, mortality of previously uninfected second intermediate host Biomphalaria glabrata of different ages following exposure to cercarial penetration, relative role of cercarial penetration vs. presence of encysted metacercariae in pericardial sac, observations on cercarial infectivity and host searching; results suggest echinostome penetration and encystment may be unlikely to contribute much to population control of these snails in nature

Infectivity
Kurtti TJ et al
1981 Exper Parasitol 52 (2) Oct 280-290 Wa
Theileria parva, cellular origin and development of bovine lymphoblastoid cell lines persistently infected with macroschizonts, comparison of cultures of lymphoblastoid cells isolated from cattle with patent East Coast fever, cultures obtained by infecting normal lymphocytes in vitro with sporozoites, and continuous line which had been isolated earlier; use of lymphocyte cultures to quantitate infectivity of sporozoites obtained from organ cultures of Rhipicephalus appendiculatus salivary glands

Infectivity
Kutish GF; Janovy J jr
1981 J Parasitol 67 (4) Aug 457-462 Wa
Leishmania donovani, inhibition of in vitro macrophage digestive capacity by preinfection with 2S parasite strain (infective for hamsters), development of bioassay in which in vitro digestion rate of Leptomonas costoris was taken as measure of macrophage digestive capacity, Khartoum strain of L. donovani (non-infective for hamsters) did not cause suppression of macrophage digestive capacity

Infectivity
Lammel EL et al
1981 Acta Trop 38 (2) June 107-114 Wa
Trypanosoma cruzi, comparative studies of infectivity of parasites ingested by Triatoma infestans and those present in their feces

Infectivity
Lewis JW; D'Silva J
1980 J Zool London 191 (3) July 429-433 Wa
Syphacia muris in male and female rats, role of host feeding and defaecation activity in rhythmic deposition of eggs by female nematodes, infectivity of eggs in relation to timing of peak of egg deposition

Infectivity
McGhee MB et al
1981 J Wildlife Dis 17 (3) July 353-364 Wa
Haemonchus contortus derived from white-tailed deer and cattle, relative pathogenicity and infectivity for white-tailed deer, cattle, and domestic sheep (all exper.), morphometric comparisons of nematodes of cattle and deer origin, results suggest that cross-transmission occurs between deer and domestic livestock

Infectivity
Mascaro Lazcano MC
1979 Rev Iber Parasitol 39 (1-4) Jan-Dec 299-303 Wa
Trichinella spiralis, 2 strains, infectivity to albino male mice

Infectivity
Mendis KN; Targett GAT
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 158-159 Wa
Plasmodium yoelii, mice, immunization to produce transmission-blocking immunity, nature of anti-gamete immunity produced by vaccination, factors that determine infectivity of gametocytes in non-vaccinated animals

Infectivity
Nantulya VM; Doyle JJ; Jenni L
1978 Acta Trop 35 (4) Dec 329-337 Wa
Trypanosoma congolense, cloned and uncloned derivatives of 3 recent field isolates, pleomorphism of bloodstream forms during course of first parasitaemic wave in mice, pleomorphism occurred both in normal and lethally irradiated mice even when infection was initiated using single organism, morphological types differed in their infectivity for mice

Infectivity
Neal RA; McHardy N
1977 Acta Trop 34 (1) Mar 79-85 Wa
Trypanosoma cruzi, comparison of infectivity of blood stream trypomastigotes vs. metacyclic trypomastigotes from Rhodnius prolixus, blood stream forms are slightly more virulent for mice, route of injection is significant; numbers of metacyclic trypanosomes found in bugs

Infectivity
Ngimbi NP et al
1979 Ann Soc Belge Med Trop 59 (3) Sept 237-250 Wa
Plasmodium berghei, sporozoites used for laboratory studies, survival and infectivity dependent on such factors as culture medium, temperature in culture or in vector salivary glands, route of inoculation into laboratory animals

Infectivity
Nillni EA; Londner MV; Spira DT
1981 Ztschr Parasitenk 64 (3) 279-284 Wa
Plasmodium berghei, simple method for separation of uninfected erythrocytes from infected erythrocytes and for isolation of artificially released parasites, assays of parasite purity and viability

Infectivity
Petersen JJ
1980 Mosquito News 40 (4) Dec 640-641 Wa
Romanomermis culicivorax, effect of culture age on infectivity of preparasitic nematodes

Infectivity
Petersen JJ
1981 J Invert Path 37 (3) May 290-294 Wa
Octomyomermis muspratti, infectivity for Culex pipiens over range of salinities and dilutions of organically rich tree-hole water (comparison with Romanomermis culicivorax), effect of host diet, host density, and worm burden on parasite male-female sex ratios, longevity of laboratory cultures subjected to continual intermittent floodings, advantages of O. muspratti over R. culicivorax as potential biological control agent for mosquitoes

Infectivity
Piekarski G; Pelster B
1980 Oeffentl Gsndhtsw 42 (1) Jan 6-12 Wm
intestinal parasites, survival in treated sludge, survey, recommendations for use of agricultural sludge (infectivity of different parasitic stages is continuously reduced so that risk of disease transmission can be controlled by differentiating sludge piles)

Infectivity
Ray DK; Shrivastava VB
1981 Tr Roy Soc Trop Med and Hyg 75 (4) 566-567 Wa
Ancylostoma ceylanicum, Necator americanus, infectivity for hamsters of ingested fourth-stage larvae and adult hookworms, epidemiological significance

Infectivity
Rickman LR
1981 Tr Roy Soc Trop Med and Hyg 75 (1) 122-123 Wa
Trypanosoma b. brucei, T. b. rhodesiense, effects of serum samples from some African game animals in blood incubation infectivity test, implications for role of wild fauna as reservoirs of trypanosomes pathogenic to man and to his domestic animals

Infectivity
Rickman L; Kolala F; Mwanza S
1981 Acta Trop 38 (2) June 115-124 Wa
Trypanosoma brucei subspecies clone, successive variable antigen types, variation in sensitivity/resistance to some African game animal sera in modified version of blood incubation infectivity test, all 7 VATs resistant to normal human serum (typical of T. b. rhodesiense)

Infectivity
Riou GF; Belnat P; Benard J
1980 J Biol Chem 255 (11) June 10 5141-5144 Wa
Trypanosoma equiperdum, complete loss of kinetoplast DNA sequences induced by ethidium bromide or by acriflavine, same infectivity in mice and rats as kinetoplastic strain, concluded that no component of kNDA network is essential to viability and pathogenicity

Infectivity
Saari M; Raisanen S
1974 Acta Ophth 52 (6) Dec 847-852 Wm
Toxoplasma gondii, survival of trophozoites, infectivity sustained in human tears, saliva, and urine, and in pasteurized cow's milk, results suggest that trophozoites can survive in excretions outside body long enough to transmit disease

Infectivity
Sangster NC et al
1980 Research Vet Sc 29 (1) July 26-30 Wa
Trichostrongylus colubriformis and Ostertagia spp. resistant to levamisole, morantel tartrate and thiabendazole, infectivity, pathogenicity, host susceptibility and drug efficacy in two experimentally infected sheep breeds

Infectivity
Schupp E et al
1980 Ztschr Parasitenk 62 (3) 213-230 Wa
Trypanosoma brucei, ultrastructural changes during deep-freeze storage related to impairments in motility and infectivity

Infectivity
Segura EL et al
1980 Medicina Buenos Aires 40 Suppl (1) 97-102 Wm
Trypanosoma cruzi, characteristics of infectivity of 3 populations obtained from cultures

Infectivity
Segura EL et al
1980 Medicina Buenos Aires 40 Suppl (1) 256-257 Wm
Trypanosoma cruzi, cultured forms, variation in infective capacity

Infectivity
Semprevivo LH; Yusuf JN; Honigberg BM
1981 Ztschr Parasitenk 65 (1) 43-51 Wa
Leishmania donovani, 2 substrains, changes in growth rates of promastigotes and amastigotes as well as in infectivity of promastigotes during course of cultivation, animal passages, and heat adaptation

Infectivity
Sexton S
1979 3 Austral Applied Entom Research Conf (Lawes Queensland June 11-15) 2(a)4-6 Wa
Nosema locustae in some Australian acridids (exper.), infectivity tests, potential biological control agent; preliminary field trials against Phaulacridium vittatum populations

Infectivity
Sharma SP; Dubey JP
1981 Am J Vet Research 42 (1) Jan 128-130 Wa
Toxoplasma gondii, quantitative survival of tachyzoites and bradyzoites in pepsin vs. trypsin solutions, infectivity to mice, usefulness of pepsin solution for parasite isolation from chronically infected animals

Infectivity
Soares VA; Marsden PD
1979 Rev Brasil Pesqui Med e Biol 12 (6) Dec 367-370 Wm
Trypanosoma cruzi, survival in dead vector bugs (exper.), Peru strain survived 8 days in Triatoma infestans and 9 days in Dipetalogaster maximus, freezing increased survival time to 60 days

Infectivity
Stirewalt M; Lewis FA
1981 Internat J Parasitol 11 (4) Aug 301-308 Wa
Schistosoma mansoni, effect of rotifer infestation of host snails on cercarial output, motility, and infectivity, significance to laboratory maintenance of S. mansoni, may be factor which reduces infective index under field conditions

Infectivity
Weiland G et al
1981 Berl u Munchen Tierarztl Wchnschr 94 (8) Apr 15 150-153 Wa
Trypanosoma congolense, mice inoculated with parasites pretreated with anti-BoLA (Bovine Lymphocyte Antigens), altered infectivity and pathogenicity

Inflammation
Ali-Khan Z; Siboo R
1980 Ztschr Parasitenk 62 (3) 241-254 Wa
Echinococcus multilocularis, growth of subcutaneous alveolar hydatid cyst in mice, histiogenesis, semiquantitative analysis of inflammatory infiltrates and their relationship to cysts and brood capsules in early and chronic infections

Inflammation
Andrade SG; Andrade ZA; Sadigursky M
1980 Am J Trop Med and Hyg 29 (5 pt 1) Sept 766-773 Wa
Trypanosoma cruzi, dogs (exper.), effects of combined treatment with nifurtimox + betamethasone evaluated clinically, electrocardiographically, and histologically, abolished both infection and associated inflammation

Inflammation
Bentley AG; Carlisle AS; Phillips SM
1981 Am J Trop Med and Hyg 30 (1 pt 1) Jan 102-112 Wa
Schistosoma mansoni, rats, initial and challenge infections, cellular response in lungs and liver, ultrastructural analysis

Inflammation
Bentley AG; Carlisle AS; Phillips SM
1981 Am J Trop Med and Hyg 30 (4) July 815-824 Wa
Schistosoma mansoni in resistant CDF rat and more susceptible BALB/c mouse, primary and challenge exposures, ultrastructural analysis of cellular response, inflammatory responses in skin

Inflammation
Castro GA; Malone C; Smith S
1980 J Parasitol 66 (3) June 407-412 Wa
Trichinella spiralis, rats, systemic anti-inflammatory effect associated with enteric trichinellosis

Inflammation
Chineme CN
1980 J Wildlife Dis 16 (3) July 377-380 Wa
Eimeria cameli in Camelus dromedarius (jejunum), gross and histopathologic lesions in intestinal tract, presence of giant schizonts in various developmental stages in lamina propria of jejunum, associated inflammatory cellular response: Zaria, Nigeria

Inflammation
Conley FK; Jenkins KA
1981 Infect and Immun 31 (3) Mar 1184-1192 Wa
Toxoplasma gondii, immunohistological study of anatomic relationship of parasite antigens to inflammatory response in brains of chronically infected mice, use of peroxidase-antiperoxidase staining technique

Inflammation
Emery DL; Moloo SK
1980 Acta Trop 37 (2) June 137-149 Wa
Trypanosoma brucei, sequential cellular changes in local skin reaction produced in goats by bite of infected Glossina m. morsitans, appears to represent essentially combination of acute inflammatory response and immunological reaction

Inflammation
Goven AJ; Moore GW
1980 Ztschr Parasitenk 61 (3) 265-269 Wa
Trichinella spiralis, congenitally athymic (nude) mice (exper.), absence of increased bone marrow eosinophilia or elevation in intestinal phospholipase B activity

Inflammation
Gray AR; Luckins AG
1980 J Comp Path 90 (4) Oct 449-512 Wa
Trypanosoma congolense, cyclical transmission to rabbits, calves, and sheep by infected Glossina morsitans, local skin reactions, trypanosome distribution in host, and pathological changes during initial stage of infection

Inflammation
Henson PM; Mackenzie CD; Spector WG
1979 Bull World Health Organ 57 (5) 667-682 Wa
Onchocerca volvulus, human, inflammatory reactions during course of natural disease and during drug (especially diethylcarbamazine) treatment, review of possible mechanisms and etiology of these reactions, recommendations for further study

Inflammation
Jensen DL; Castro GA
1981 Exper Parasitol 52 (1) Aug 53-61 Wa
Trichinella spiralis, migration of rat peritoneal cells (predominantly eosinophils) toward parasite incubates, (normal or immune) rat serum, or (normal or immune) rat spleen cells, or combinations of these 3 components, results indicate generation in presence of rat serum of factors chemotactic for rat cells

Inflammation
Lundblad G et al
1981 Comp Biochem and Physiol 68B (1) 71-76 Wa
Entamoeba histolytica, β-N-acetylglucosaminidase, purificationand partial characterization, may contribute to inflammatory reactions in tissues of patients with invasive amoebiasis

Inflammation
Nelson WA; Kozub GC
1980 J Med Entom 17 (4) July 31 291-297 Wa
Melophagus ovinus, sheep (exper.), evidence that acquired host resistance is locally mediated and lost with subsequent non-exposure, suggestion of an immune component, histopathological studies show inflammatory reaction with eosinophils in high numbers

Inflammation
Olveda RM; Olds GR; Mahmoud AAF
1981 Am J Path (471) 104 (2) Aug 150-158 Wa
Schistosoma mansoni-infected and uninfected mice, quantification of pulmonary inflammatory response around schistosomula, correlation with acquired resistance, augmented inflammation and enhanced protection induced by prior sensitization with dead schistosomula or eggs and by adoptive transfer of serum, serum activity shown to reside in fraction containing $IgG_1$

Inflammation
Rose ME; Hesketh P; Ogilvie BM
1980 Parasite Immunol 2 (3) Autumn 189-199 Wa
Eimeria maxima, chickens, E. nieschulzi, rats, localization of lymphoblasts in infected small intestine

Inflammation
Savage AM; Colley DG
1980 Am J Trop Med and Hyg 29 (6) Nov 1268-1278 Wa
Schistosoma mansoni, eosinophil in inflammatory response to cercarial challenge of sensitized vs. chronically infected CBA/J mice

Inflammation
Uhazy LS
1978 J Wildlife Dis 14 (4) Oct 401-408 Wa
Philometroides huronensis in Catostomus commersoni, lesions and inflammatory response related to development and release of first-stage larvae from gravid worm: southern Ontario

Inflammation
Wakelin D; Donachie AM
1980 Parasite Immunol 2 (4) Winter 249-260 Wa
Trichinella spiralis, adoptive transfer of immunity between inbred strains of mice characterized by rapid and slow immune expulsion used to analyze role of immune and inflammatory events in determining strain-characteristic time of worm expulsion

Inflammation
Weinstock JV et al
1981 J Clin Invest 67 (4) Apr 931-936 Wa
Schistosoma mansoni-infected mice, SQ 14225 (inhibitor of angiotensin I-converting enzyme (AEC)) can partially inhibit granulomatous response to schistosome eggs and pathological manifestations of schistosomiasis, possibility that ACE has inflammatory role in granulomatous inflammation

Inflammation
Willms K; Merchant MT
1980 Parasite Immunol 2 (4) Winter 261-275 Wa
Taenia solium larvae (Cysticercus cellulosae) in pig muscle surrounded by inflammatory reaction with general characteristics of chronic granuloma, ultrastructural and light microscopic observations, indications that this is an immunological reaction

Inhibited development See Development

Integument [See also Cuticle; Parasite surfaces; Skin; Tegument]

Integument
Amosova LI
1975 Parazitologiia Leningrad 9 (5) Sept-Oct 412-418 Wa
Hyalomma asiaticum nymphs, ultrafine structure of integument during starvation and feeding, electron microscopy

Integument
Cornford EM; Bocash WD; Oldendorf WH
1981 J Parasitol 67 (1) Feb 24-30 Wa
Schistosomatium douthitti, transintegumental glucose uptake in male and female worms, possible implications for male-female nutritional relationships

Integument
Hamilton-Attwell VL
1979 Proc Electron Microsc Soc South Africa 9 103-104 Wa
Schistosoma margrebowiei, S. leiperi, males, comparison of integumental surfaces

Integument
Khan RA; Emerson CJ
1981 Tr Am Micr Soc 100 (1) Jan 51-55 Wa
marine leeches, integumentary surface structures revealed by scanning electron microscopy

Integument
Lumsden RD; Murphy WA
1980 Ohio State Univ Biosc Colloq (5) 95-130 Wm; Wa
cestode surface, morphological and functional aspects, review

Integument
Miegeville M; Marjolet M; Vermeil C
1979 Bull Soc Path Exot 72 (4) July-Aug 340-344 Wa
Dipetalonema viteae, scanning electron microscopy, integumental surface of larvae

Intelligence
Ejezie GC; Ade-Serrano MA
1981 Trop and Geogr Med 33 (2) June 175-180 Wa
Schistosoma haematobium, primary school children, study on prevalence, intensity, and morbidity of infection (physical status, age, school performance, school attendance), concluded that only minimal morbidity is associated with infection in the Badagry area: Nigeria

Intelligence
Hengst P
1979 Ang Parasitol 20 (4) Nov 216-221 Wa
Toxoplasma gondii, prospective survey of 1,697 pregnant women, clinical symptoms, age frequency, intellectual capability and central nervous system changes in children serologically positive for Toxoplasma infection

Intelligence
Witting PA
1979 Ztschr Parasitenk 61 (1) 29-51 Wa
Toxoplasma, learning capacity and memory of normal and infected laboratory rats and mice, relationship to number of brain cysts

Interferon
Brener Z
1980 Advances Parasitol 18 247-292 Wa
Trypanosoma cruzi, human, immunity, extensive review: antigenic constitution; natural immunity; humoral immune response (immunoglobulins; role of antibodies in host resistance; spleen and host resistance; complement; interferon); cell-mediated immune response (tests in vitro; delayed hypersensitivity; CMI and resistance; cytotoxicity mechanisms; macrophages); effects of immunosuppressors in Chagas' disease; immunodepression in course of Chagas' disease; evasion of immune response; auto-immune reactions; vaccination

Interferon
Buxton D et al
1980 J Comp Path 90 (2) Apr 331-338 Wa
Toxoplasma gondii in mice infected with louping-ill virus may stimulate 2 independent mechanisms: increased susceptibility to the virus and antiviral activity, possibly mediated by toxoplasma stimulation of interferon production

Interferon
Clark IA et al
1981 Infect and Immun 32 (3) June 1058-1066 Wa
Plasmodium vinckei petteri-infected mice given small injection of endotoxin, release of macrophage-derived mediators (tumor necrosis factor, lymphocyte-activating factor, type I interferon), possible importance in pathogensis of acute malaria

Interferon
Hunter KW jr et al
1981 Immunol Letters 2 (4) Jan 209-212 Wa
Plasmodium yoelii, mice, early enhancement of natural killer cell activity (correlated with transient early rise in serum interferon levels) followed by marked suppression later in course of infection, antibody-dependent cell-mediated cytotoxicity and responses of T and B lymphocytes to mitogens were suppressed throughout course of infection

Interferon
Sauvager F; Fabiani G; Fauconnier B
1979 Ann Microbiol 130 A (3) Apr 373-383 Wa
Plasmodium berghei, mice infected by various doses, interferon production; chloroquine treatment and splenectomy reduced Plasmodium development and interferon production

Interferon
Shirahata T; Shimizu K
1980 Microbiol and Immunol 24 (11) 1109-1120 Wa
Toxoplasma gondii, production and properties of immune interferon from spleen cell cultures of infected mice

Intestine [See also Colitis; Digestive system; Enteritis; Gastroenteritis]

Intestine, Host
Ball SJ; Heading CE; Tranter B
1980 Experientia 36 (7) July 15 839-840 Wm
Eimeria nieschulzi-infected rats, absorption of glycine and proline through jejunum and ileum was impaired when the amino acids were presented to mucosal surface as either a mixture or the dipeptide glycyl-proline

Intestine, Host
Burden DJ et al
1981 Parasitology 83 (2) Oct 249-252 Wa
Fasciola hepatica, rats, technique for study of gut penetration by juvenile flukes, involves ligation of small sections of small intestine and introduction of artificially excysted flukes into these gut loops, more flukes reached body cavity in naive rats than in resistant rats

Intestine, Host
Cook RW; Williams JF
1981 J Comp Path 91 (2) Apr 205-217 Wa
Taenia taeniaeformis, rats (exper.), micro- and macroscopic changes in gastrointestinal tract, body and organ weights, intestinal mast cell and eosinophil counts

Intestine, Host
Farmer SG
1981 Parasite Immunol 3 (3) Autumn 227-234 Wm
Nippostrongylus brasiliensis-infected rats, propulsive activity of small intestine, possible relationship to mechanism of worm expulsion

Intestine, Host
Ferguson A; Gillon J; al Thamery D
1980 Tr Roy Soc Trop Med and Hyg 74 (4) 445-448 Wa
Giardia muris, mice, intestinal abnormalities

Intestine, Host
Forsum E; Nesheim MC; Crompton DWT
1981 Parasitology 83 (3) Dec 497-512 Wa
Ascaris suum, young pigs receiving diets low in protein, effects of infection on growth, food intake, nitrogen and fat utilization, intestinal disaccharidase activity, lactose tolerance, and weight of intestinal tract

Intestine, Host
George PV; Nadakal AM
1981 Hydrobiologia 78 (1) Feb 27 59-62 Wa
Serrasentis nadakali-infected Rachycentron canadus, intestinal pathology: Arabian Sea near Trivandrum coast

Intestine, Host
Georgi ME; Han H; Hartrick DW
1980 Cornell Vet 70 (1) Jan 43-49 Wa
Spirocerca lupi nodule in rectum of dog, cause of rectal prolapse, surgically removed: Connecticut

Intestine, Host
Gregory MW; Nolan A
1981 Research Vet Sc 30 (3) May 385-387 Wa
Eimeria spp., lambs, globule leucocyte and mucosal mast cell populations in small intestine (excluding lymphoid areas), globule leucocyte and mucosal mast cell populations in mucosa overlying Peyer's patches and in adjacent areas of same section, % distribution of globule leucocytes in mucosa of sections which showed large numbers of these cells

Intestine, Host
Herweg C; Kunstyr I
1979 Zentralbl Bakteriol 1 Abt Orig Reihe A 245 (1-2) Oct 262-269 Wa
Spironucleus muris, athymic (nude) mice (exper.), effect of infection and dimetridazole on intestinal microflora

Intestine, Host
Hutchison WM et al
1980 Ann Trop Med and Parasitol 74 (4) Aug 427-437 Wa
Toxoplasma gondii, normal appearance of cat small intestine, mucosal alteration observed during infection, appearance of merozoites and oocysts, scanning electron microscopy

Intestine, Host
Hutchison WM et al
1981 Ann Trop Med and Parasitol 75 (1) Feb 115-116 Wa
Isospora felis-infected cats, scanning electron microscopy of small intestine, morphological appearance indicates that absorption may be greatly impaired

Intestine, Host
Katiyar JC; Gupta S; Sen AB
1980 Indian J Exper Biol 18 (11) Nov 1288-1290 Wa
Hymenolepis nana-infected rats, histamine contents of intestines, possible role of excess histamine with regard to immunity and/or physiology

Intestine, Host
Kaushik RK
1980 Indian Vet J 57 (2) Feb 170 Wa
Ascaridia galli, chick (exper.), development of diverticulum in duodenum

Intestine, Host
Ljungstroem I et al
1980 Infect and Immun 30 (3) Dec 734-740 Wa
Trichinella spiralis, mice, effect of parasite infection on intestinal fluid transport in concomitant enterotoxic diarrhea (cholera) and on local and systemic antibody formation to cholera toxin immunization

Intestine, Host
Martin J
1980 Parasitology 80 (1) Feb 39-47 Wa
Nippostrongylus brasiliensis-infected rats maintained on low protein diet, scanning electron microscopy of small intestinal pathology

Intestine, Host
Martin J; Lee DL
1980 Parasitology 81 (3) Dec 573-578 Wa
Nematodirus battus-infected lambs, scanning electron microscopy of duodenal mucosa, position of nematode within intestine, possible role of villus atrophy and of mucus in worm rejection

Intestine, Host
de Medeiros RR et al
1980 Rev Paul Med 96 (3-4) Sept-Oct 61-65 Wm
Chagas disease, patients with chagasic megacolon, comparative study of surgical therapeutic techniques, their complications, and their results (normalization vs. recurrence)

Intestine, Host
Ogunbiyi AO; Uche EMI
1981 Lab Animals 15 (2) Apr 129 Wa
Eimeria magna and E. perforans mixed infection in Oryctolagus cuniculus associated with intussuception

Intestine, Host
Ottaway CA et al
1980 Immunology 41 (4) Dec 963-971 Wm
Trichinella spiralis, mice, primary enteric infection, alteration in nature of connection between regional blood flow and localization of lymphoblasts in small intestine

Intestine, Host
Przyjalkowski Z; Warton A
1980 Bull Acad Polon Sc Cl II s Sc Biol 28 (1-2) 75-79 Wa
Trichinella spiralis-infected germfree and conventional mice, scanning electron microscopy of small intestinal epithelium

Intestine, Host
Rose ME; Hesketh P; Ogilvie BM
1980 Parasite Immunol 2 (3) Autumn 189-199 Wa
Eimeria maxima, chickens, E. nieschulzi, rats, localization of lymphoblasts in infected small intestine

Intestine, Host
Ruff MD; Augustine PC; Madden PA
1981 Exper Parasitol 51 (1) Feb 87-94 Wa
Eimeria meleagrimitis, E. adenoeides, or E. dispersa, turkeys (exper.), severity of infection, intestinal malabsorption, and intestinal morphology

Intestine, Host
Ruitenberg EJ; Buys J
1980 Vet Immunol and Immunopath 1 (3) Aug 199-214 Wa
Trichinella spiralis, mice, effects of pregnancy on course of infection and associated histopathological changes in thymus and small intestine (litter size, thymus atrophy and thymus mast cells, worm expulsion, recovery of muscle larvae, intestinal mast cells and globule leucocytes, intestinal eosinophils, antibody production, blood eosinophilia)

Intestine, Host
Scofield AM
1980 Experientia 36 (12) Dec 15 1404-1405 Wa
Nippostrongylus brasiliensis, rats, primary vs. secondary infections, intestinal glucose absorption and metabolism, pattern of changes probably related to host immunological activity

Intestine, Host
Sherif SM et al
1977 Ain Shams Med J 28 (1-2) Jan-Mar 31-45 Wm
schistosomal polyposis of colon, humans, accompanied by intestinal malabsorption resulting in cachexia and malnutrition, pathology compared with patients with schistosomal liver fibrosis and with normal controls

Intestine, Host
Smith RR; Ruff MD; Witlock DR
1980 Proc Helminth Soc Washington 47 (2) July 235-246 Issued Aug 25 Wa
Eimeria necatrix-infected chickens (exper.), response of jejunum to infection and subsequent effect on methionine and glucose absorption, light and electron microscopy

Intestine, Host
Souidan MZ et al
1979 J Egypt Med Ass 62 (1-2) 119-145 Wm
schistosomiasis, human hepatosplenic infections, small intestinal function, histology, and histochemistry

Intestine, Host
Turk DE
1981 Poultry Science 60 (2) Feb 323-326 Wa
Eimeria spp., chickens (exper.), effect of infection on host growth and intestinal absorption of iron

Intestine, Parasite
Beames CG jr; Merz JM; Donahue MJ
1981 Biochem Parasites (Slutzky) 75-83 Wa
Ascaris suum, intestine, some biochemical and physiological characteristics, movement of electrolytes and non-electrolytes across epithelial cell membrane and permeability characteristics of basement membrane

Intestine, Parasite
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